Colavia

# Aviva User Manual Ver0.8

2011-1-1

www.colavia.com

# Revision

| Version | Date | Memo |
|---|---|---|
| Ver0.1 | 2009/6/30 | draft |
| Ver0.2 | 2009/11/10 | Change screenshot and add several function description |
| Ver0.3 | 2010/3/1 | New functions added and modify FTP settings. |
| Ver0.4 | 2010/5/1 | New functions added (Template/effect/audio track) Ver1.0.3.9 |
| Ver0.5 | 2010/7/1 | New functions added (Schedule/Property setting) Ver1.0.5.1 |
| Ver0.6 | 2010/7/6 | New functions added (Several commands) Ver1.0.5.1a |
| Ver0.7 | 2010/1/1 | Multiple screen and scene function Ver1.0.5.8 |
| Ver0.8 | 2011/1/1 | Function updated |

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# Chapter 1: System Overview

## 1. Introduction

### Welcome to a new dimension in Digital Signage designing!

Thank you for checking out our Aviva software, it is multimedia editing software made by Colavia Technology Corporation in Beijing. Our goal has been to create a Digital Signage application that is powerful and easy to use. This user manual provides an overview of instructions for using the software.

Aviva Software aims to provide a clear and intuitive application designed to show high quality video, still or motion picture, and dynamic messages on TV screens at the sightline of target audiences to effectively promote brand or products.

## 2. Company profile

Colavia International Co. established from Y2004. Consists of vision IC design, industrial PC design, and signage software design team, Colavia presents as the pioneer of Digital Signage Solution vendor. Adapting with most completed R&D capacity, Colavia provides full range of product series for customers in various digital signage applications. Lead by experienced management team, Colavia setup the R&D center in Beijing and sales office in Taipei (Taiwan), Shanghai, and Beijing. Today, Colavia is one of the leading brands of digital signage solution vendor in bank, hotel, retail, gambling, education, health care, out-door, and even TV-wall applications.

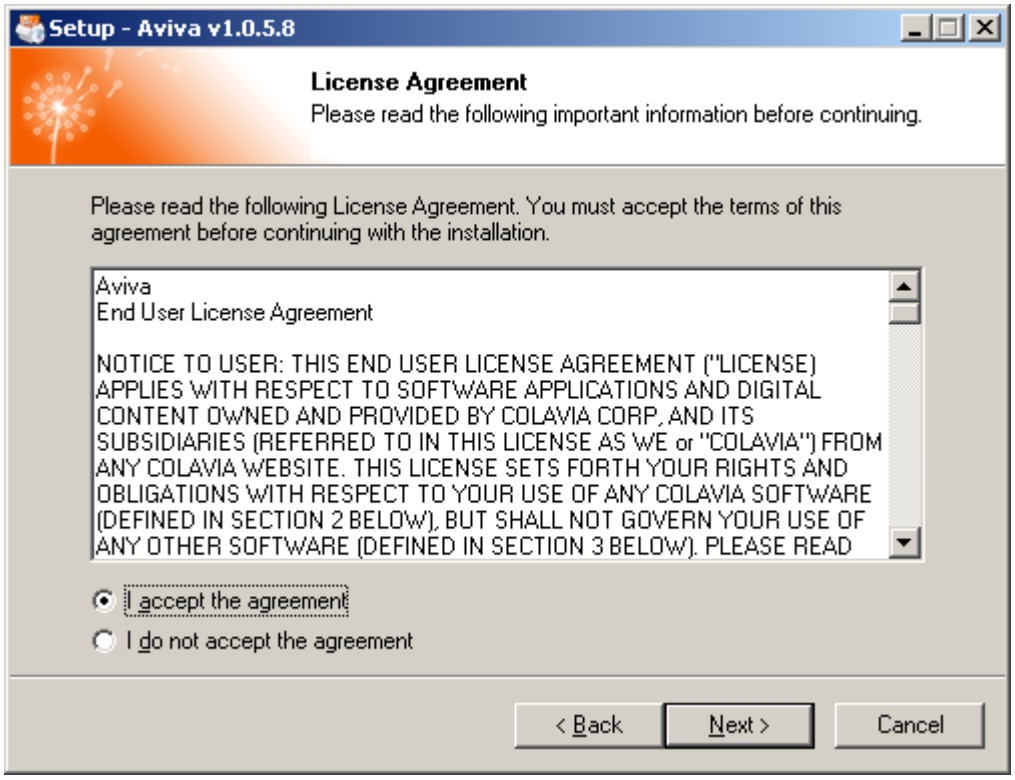
# 3. Installation

2.1 Double click on Aviva v1.0.5.3.exe

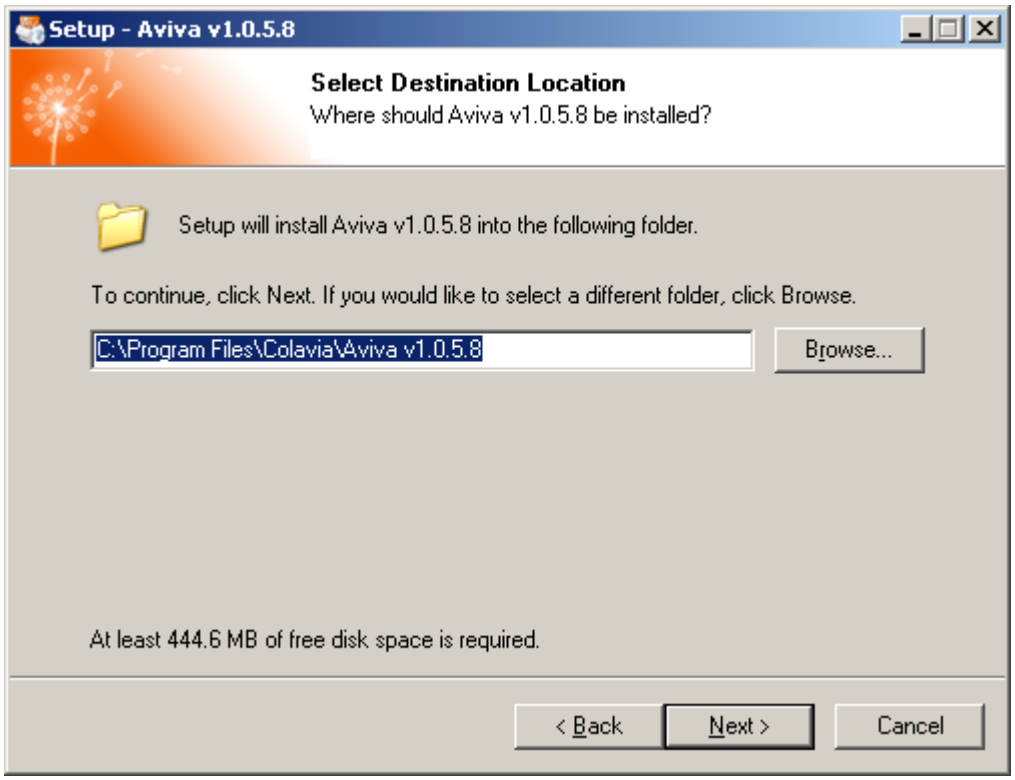
2.2 Click [Next] to continue,

Setup - Aviva v1.0.5.8
Welcome to the Aviva v1.0.5.8 Setup Wizard
This will install Aviva v1.0.5.8 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Colavia
Next >
Cancel

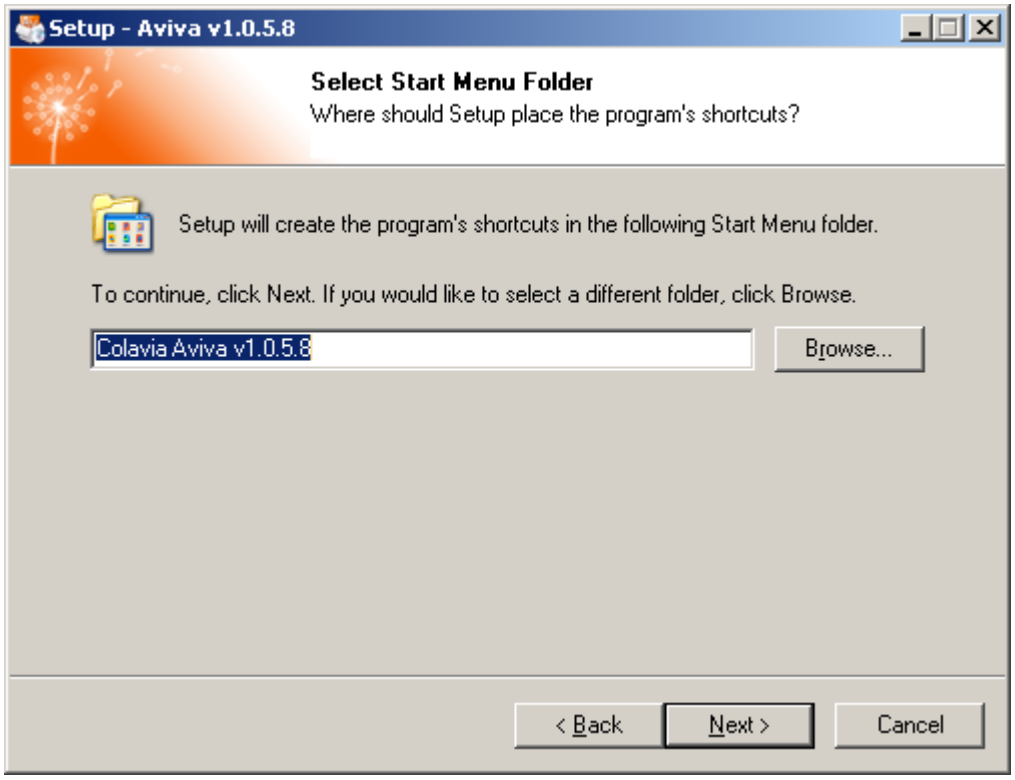
2.3 Select 'I accepted the agreement', then [Next],


Setup - Aviva v1.0.5.8
License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
Aviva
End User License Agreement
NOTICE TO USER: THIS END USER LICENSE AGREEMENT ("LICENSE) APPLIES WITH RESPECT TO SOFTWARE APPLICATIONS AND DIGITAL CONTENT OWNED AND PROVIDED BY COLAVIA CORP, AND ITS SUBSIDIARIES (REFERRED TO IN THIS LICENSE AS WE or "COLAVIA") FROM ANY COLAVIA WEBSITE. THIS LICENSE SETS FORTH YOUR RIGHTS AND OBLIGATIONS WITH RESPECT TO YOUR USE OF ANY COLAVIA SOFTWARE (DEFINED IN SECTION 2 BELOW), BUT SHALL NOT GOVERN YOUR USE OF ANY OTHER SOFTWARE (DEFINED IN SECTION 3 BELOW). PLEASE READ
I accept the agreement
I do not accept the agreement
< Back
Next >
Cancel

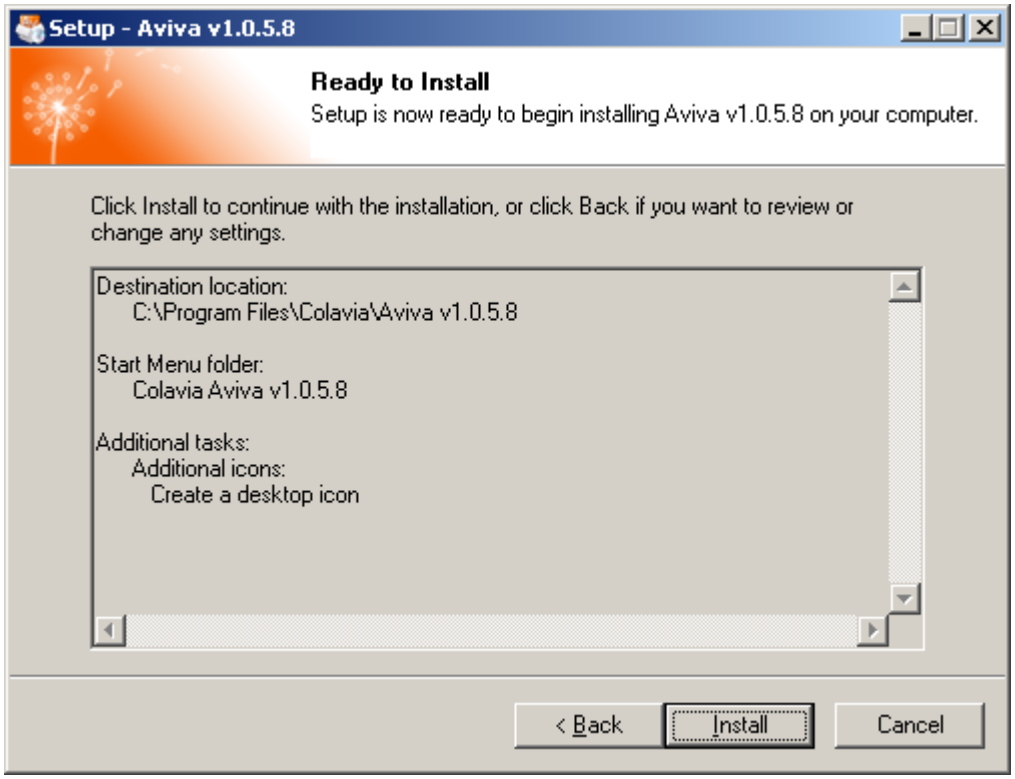
2.4 Click ‘browse’ to customize your installation directory, then [Next],


Setup - Aviva v1.0.5.8
Select Destination Location
Where should Aviva v1.0.5.8 be installed?
Setup will install Aviva v1.0.5.8 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Colavia\Aviva v1.0.5.8
Browse...
At least 444.6 MB of free disk space is required.
< Back
Next >
Cancel

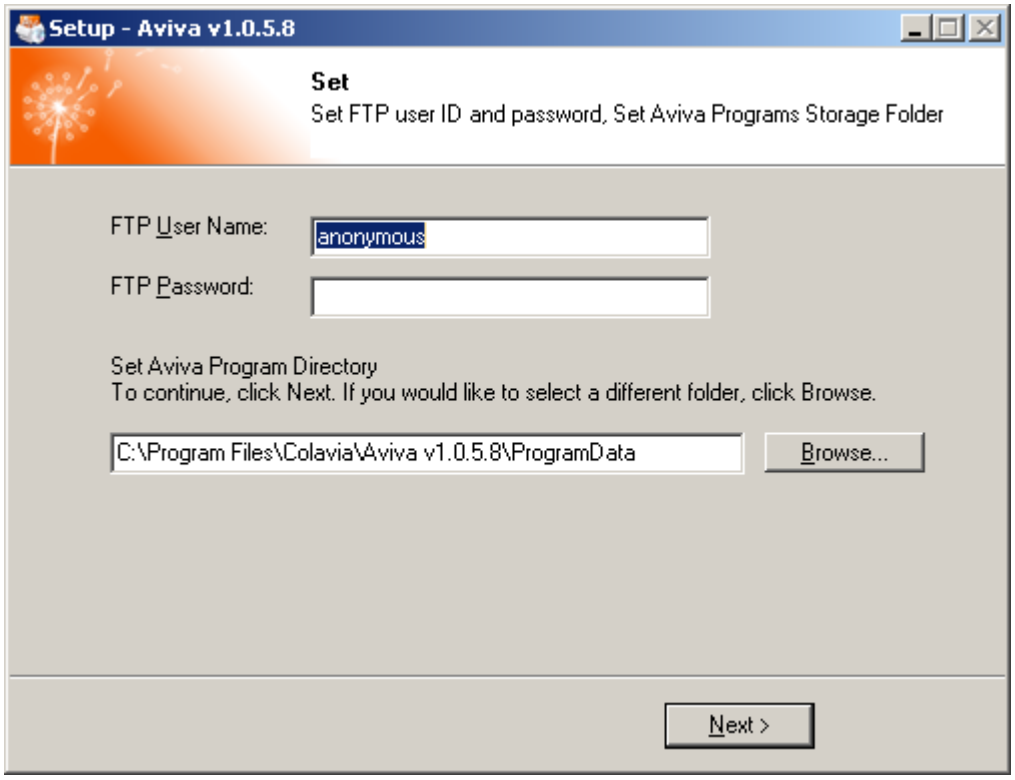
2.5 Click [Next],


Setup - Aviva v1.0.5.8
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Colavia Aviva v1.0.5.8
Browse...
< Back
Next >
Cancel

2.6 Click [Install],

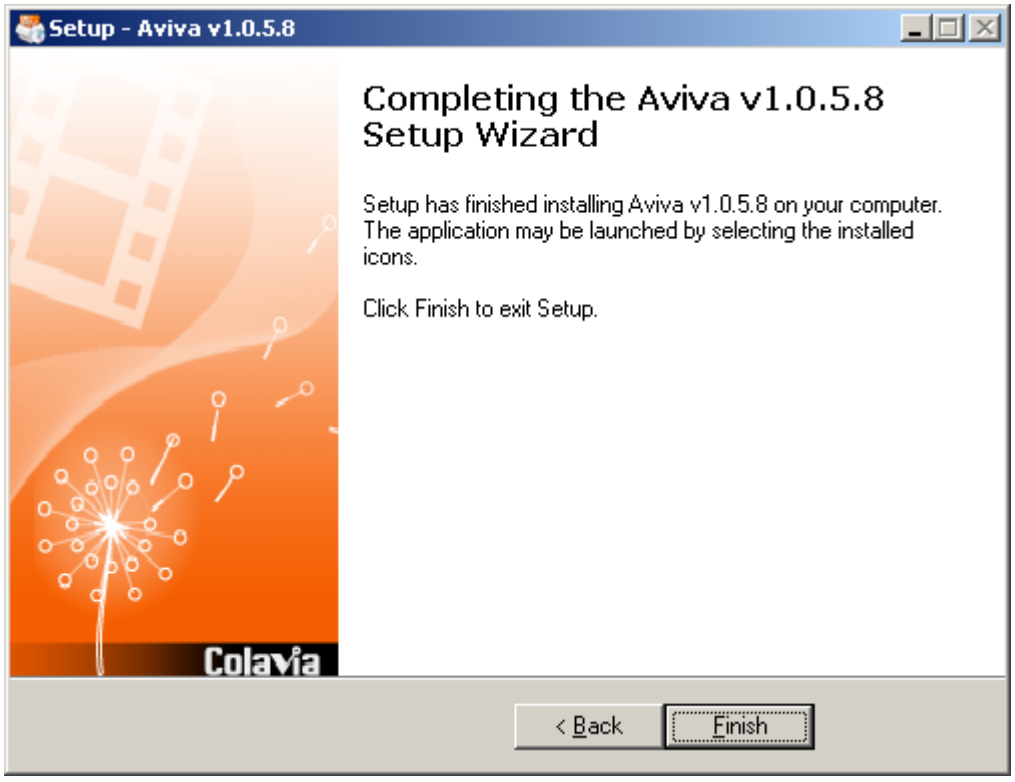

Setup - Aviva v1.0.5.8
Ready to Install
Setup is now ready to begin installing Aviva v1.0.5.8 on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Colavia\Aviva v1.0.5.8
Start Menu folder:
Colavia Aviva v1.0.5.8
Additional tasks:
Additional icons:
Create a desktop icon
< Back
Install
Cancel

2.7 Setup 'FTP User Name' and 'FTP Password' as you want (It will be anonymous login if leave it as default), customize your FTP root directory and click [Next],

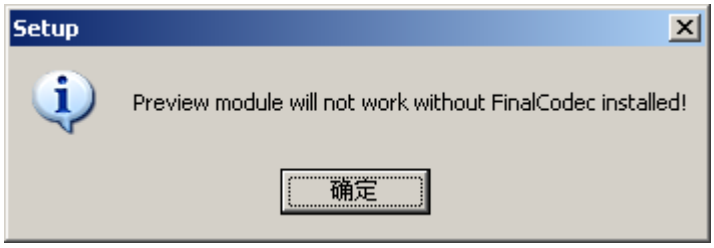

Setup - Aviva v1.0.5.8
Set
Set FTP user ID and password, Set Aviva Programs Storage Folder
FTP User Name:
anonymous
FTP Password:
Set Aviva Program Directory
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Colavia\Aviva v1.0.5.8\ProgramData
Browse...
Next >

**Note:** Select a large volume hard disk as your FTP Directory.

2.8 Click [Finish].


Setup - Aviva v1.0.5.8
Completing the Aviva v1.0.5.8 Setup Wizard
Setup has finished installing Aviva v1.0.5.8 on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Colavia
< Back
Finish

2.9 A message will be warned after installation as below.




We recommend you to install FinalCodec plug-ins so that you can use preview function.

# 4. Player Configuration

**Note: This section is only applicable for DiVA-200 device**

## 3.1 Update player's firmware version

Copy diva_twin.img to USB drive root directory and plug it into player USB port, then about 10 seconds later, a message will prompt to reboot the player on screen. During system reboot it will update firmware, and then reboot system.

## 3.2 Update aviva.conf to define Server_IP and Player_IP address

If you didn't get aviva.conf file, you can create a text and copy the following content into it.

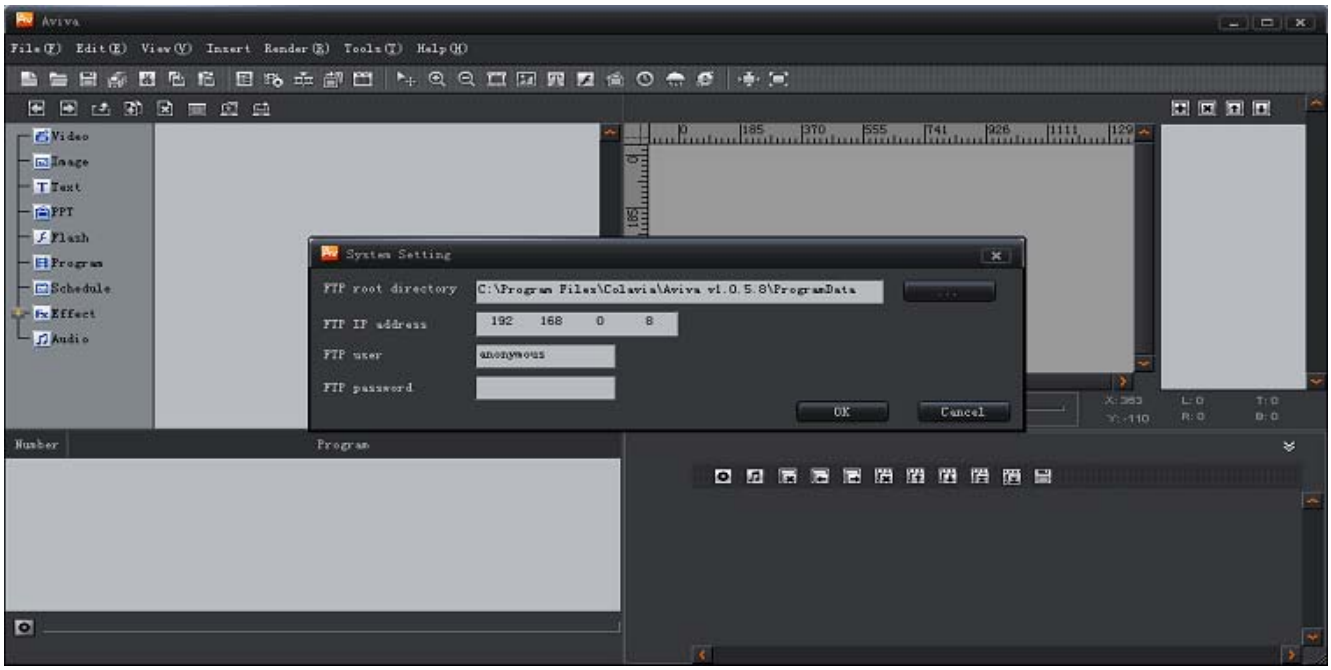
```
ETH_DEV=eth0

SERVER_IP=192.168.0.119
SERVER_PORT=10130

LOCAL_IP=DHCP (define a fixed IP address if without Router, e.g. 192.168.0.110)
MAC_ADDR=DiVA-200

# unit: sec
HEARTBEAT=
4

# usb/network/all/none
UPDATE_PROGRAM_BY=all #
yes/no
SHOW_UPDATE_PROGRESS=yes
```

You can customize the Sever_IP and Player_IP and MAC_ADDR which in red above, then the same step shall be done to update the information to player. (Copy to USB drive root directory and plug it into USB port).

**NOTE:** Please remove diva_twin.img if you want to update aviva.conf.

## 3.3 Aviva software sync-settings.

- ✓ Launch Aviva.exe
- ✓ Select Tools-System option
- ✓ Set FTP root directory then same as you customized during installation.
- ✓ Set FTP IP address the same as aviva.conf Server_IP (192.168.0.119), and also set your Local PC IP 192.168.0.119



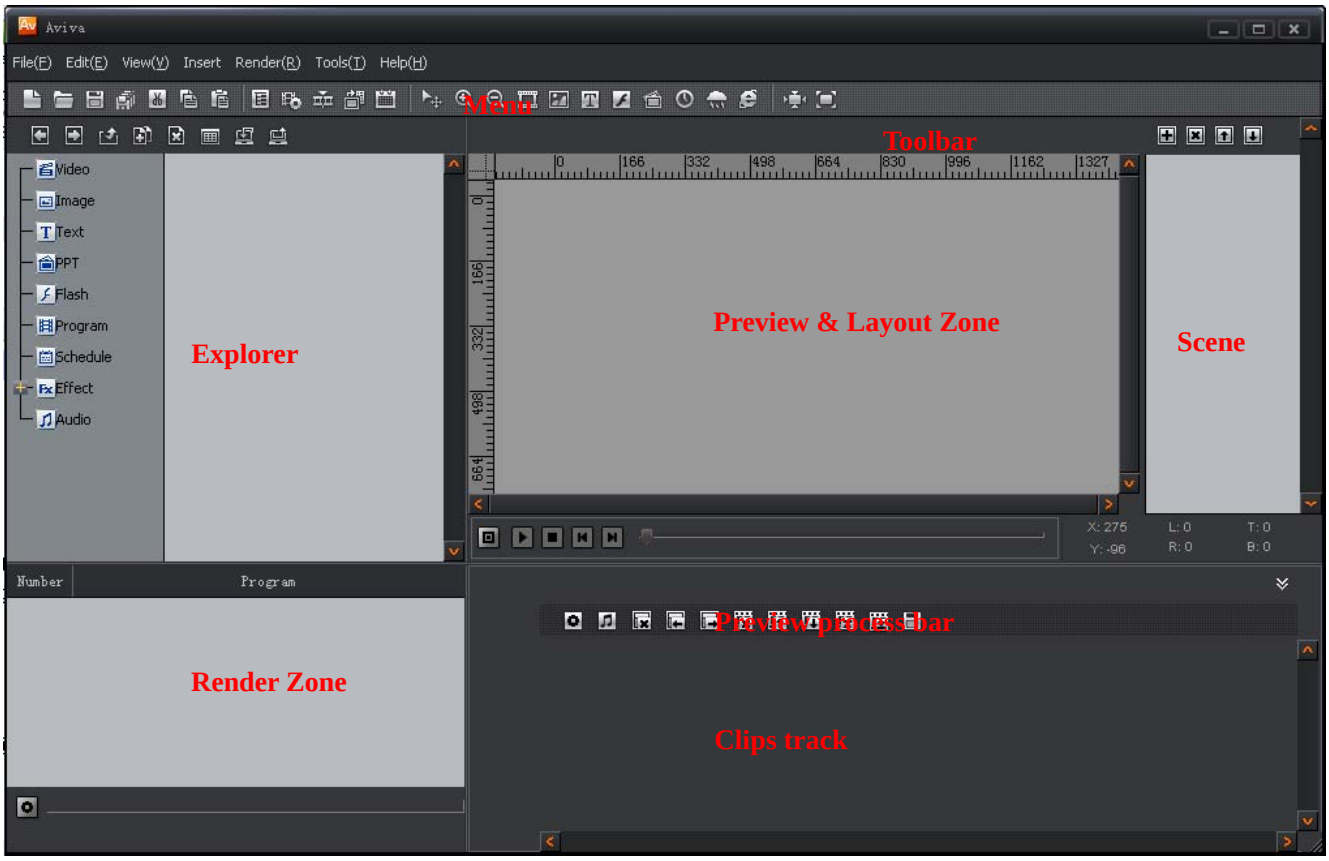

Now you are supposed to see the player device in **Deploy Window** in Aviva.

# Chapter 2: Getting Started

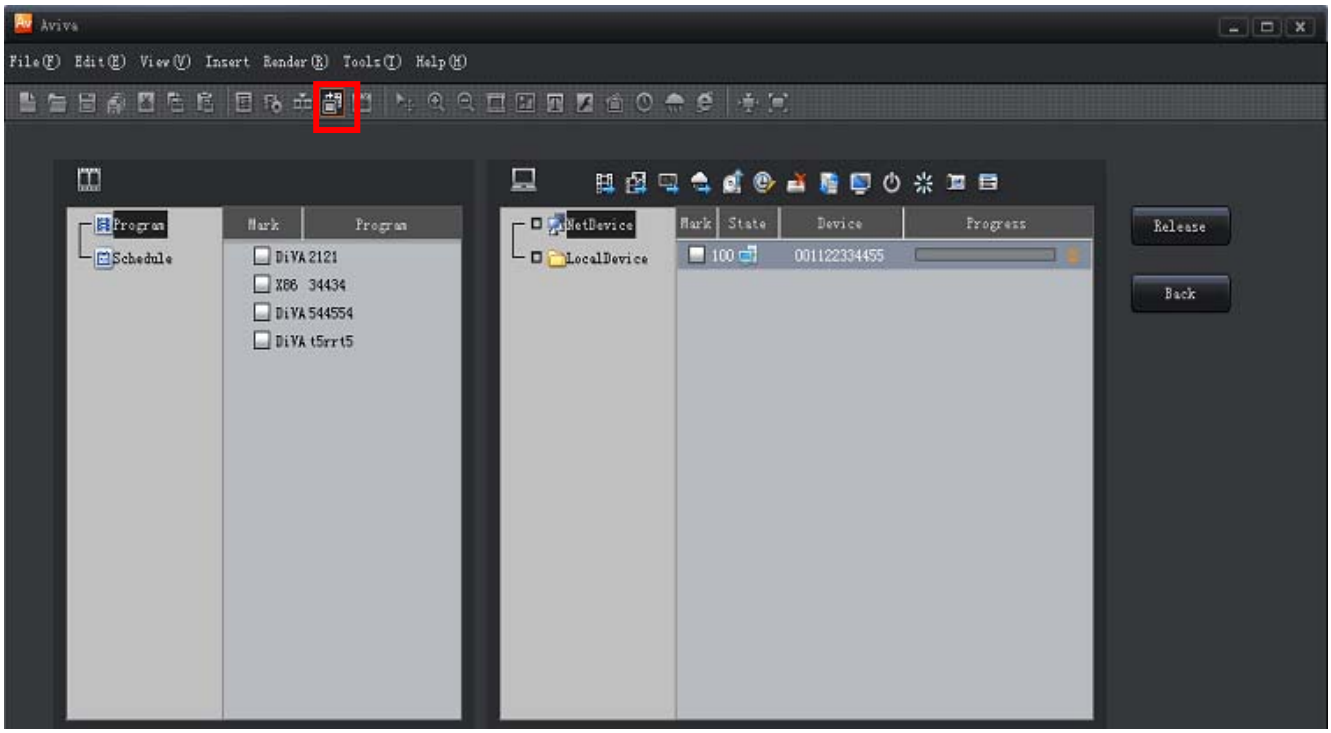
## 1. Aviva User Interface

Aviva user interface emulates the appearance and structure of a done digital signage program, making editing quick and intuitive.

Menu bar: Aviva Menu File/Edit/View/Insert/Render/Tools/Help
Toolbar: Shortcut for several functions
Explorer: Clips will be shown in explorer by category
Preview & Layout Zone: Design your program and what you see is what you get
Render zone: A program shall be rendered before release
Preview process bar: You can preview your program after designing
Clips track: You can edit your clips here



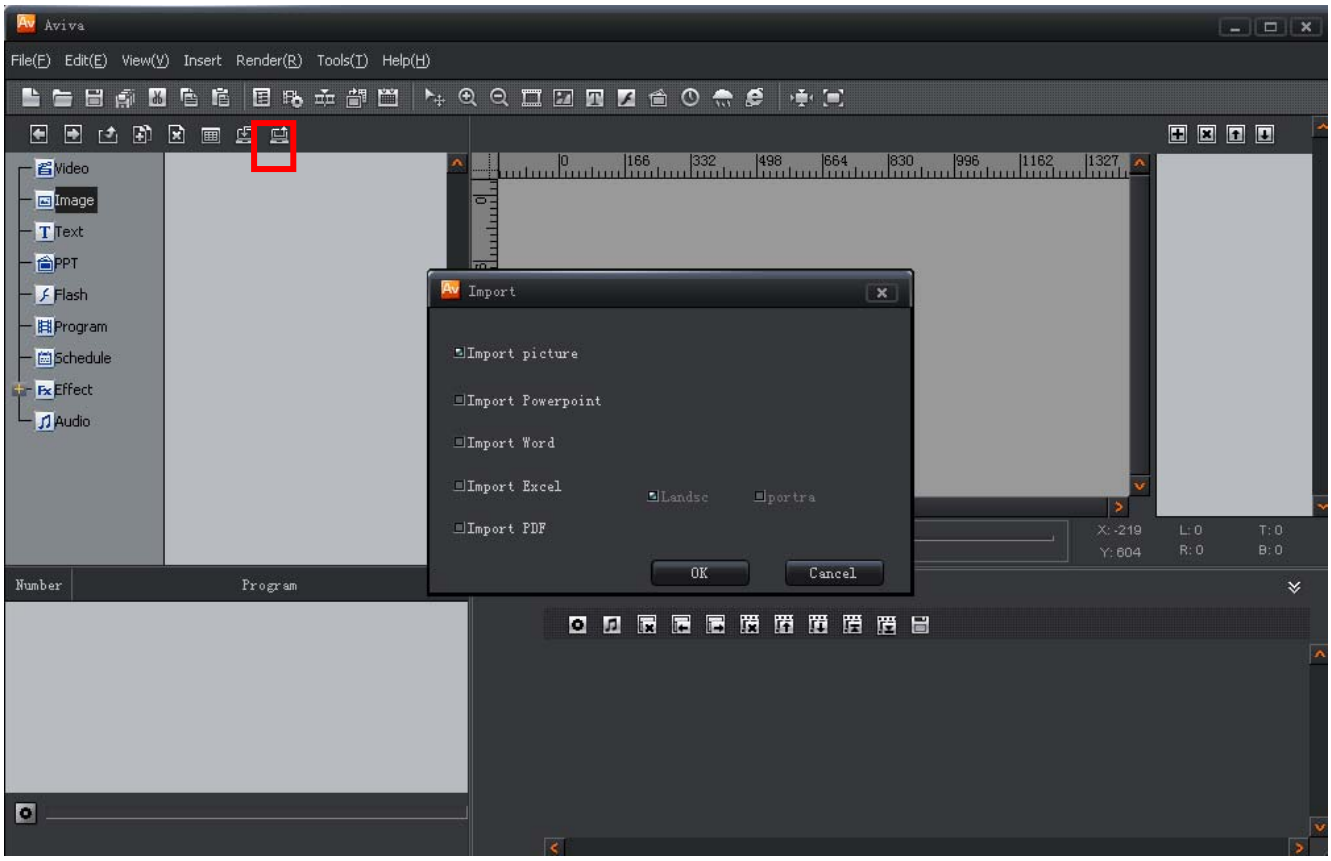
Deploy window: to manage and release programs to terminal device.

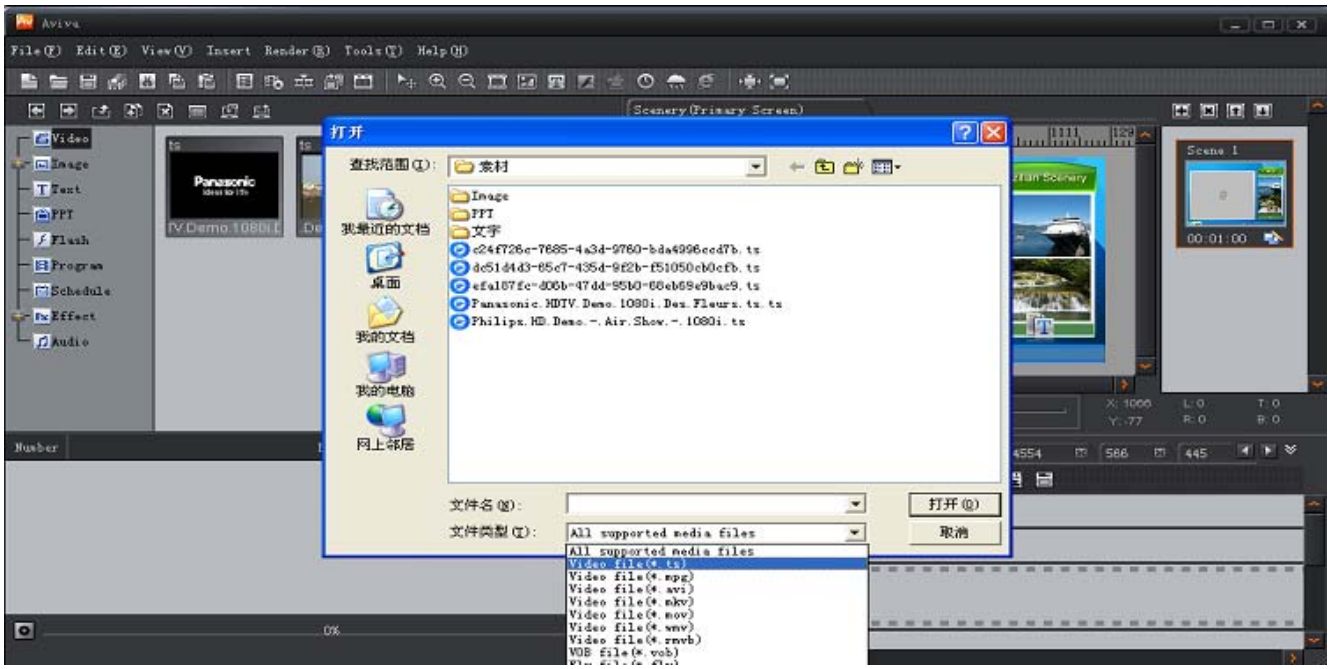



## 2. Import clips into explorer

Before your editing, you shall import your clips into Aviva Explorer. The procedure is,

- ✓ Go to 'Image' Catalog and click on the icon 'import clips' and select your image types to import them
  (Currently we support to import Word / Excel / PDF file and convert it to picture file)
- ✓ Same steps shall be done in the other categories.
  (Video/Text/PPT/Flash/Audio/Doc/XLS/PDF)

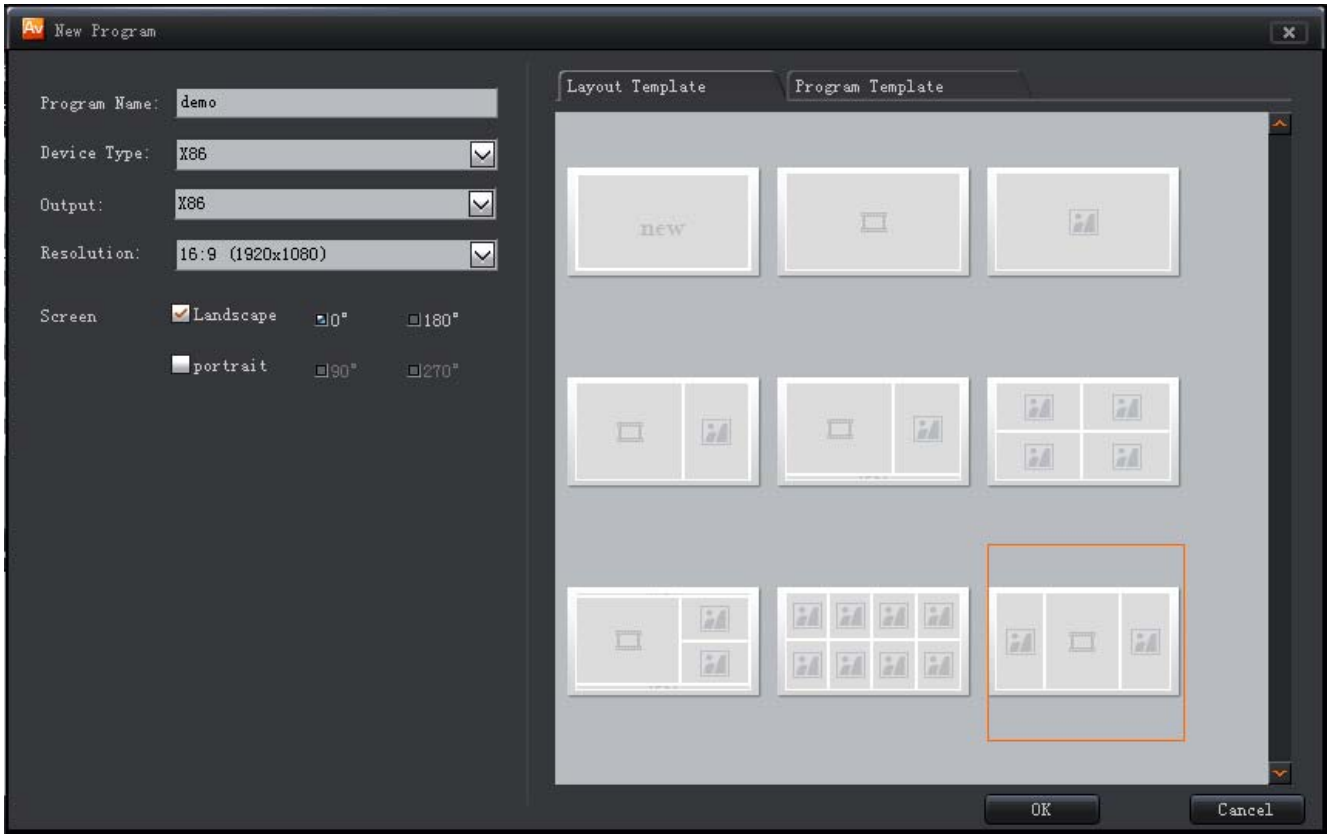



You can press the large icon, small icon, details mode to view your clips in Explorer.

## 3. Create a new program

- ✓ Select '**New Program**' option from **File Menu**
- ✓ '**New Program**' dialog box will popup



You can select Landscape or Portrait screen mode and use templates embedded.

## 3.1 Program property

- ✓ **Program Name**
- ✓ **Device Type**
- ✓ **Output:**
- ✓ **Resolution:**
- ✓ **Screen mode:**

Landscape or Portrait mode

**Hint:**

In Landscape mode, you shall select clockwise 0°or 180°according to your LCD panel.

In Portrait mode, you shall select clockwise 90°or 270°according to your LCD panel.

- ✓ **Layout Template**

You can select the existed templates so that apply it directly.

You also can customize layout manually if select the first **NEW** template.

We support 11 zones in total. (1 video zone, 2 text zone and 8 image zone)

X86 Program type now supports to be divided into 19 layout zones, including video*2, image*8, Flash *2, text*2, clock *2, weather report*1, http *1, PPT *1

RISC Program type now supports to be divided into 14 layout zones, including video*1, image*8, text*2, clock*2, weather report*1

**Hint:**

You can set audio track as your background music and it doesn't' occupy layout zones.

Images can be set as a background picture when move to the bottom.

- ✓ **Program templates**

We embedded several fields templates so that user can apply them immediately, such as airport, bank, bus stop, theater, hotel, hospital, restaurant, university and shopping mall.

## 3.2 Layout Editing

A program consists of several layouts; we can edit the layout by ourselves in a new template.

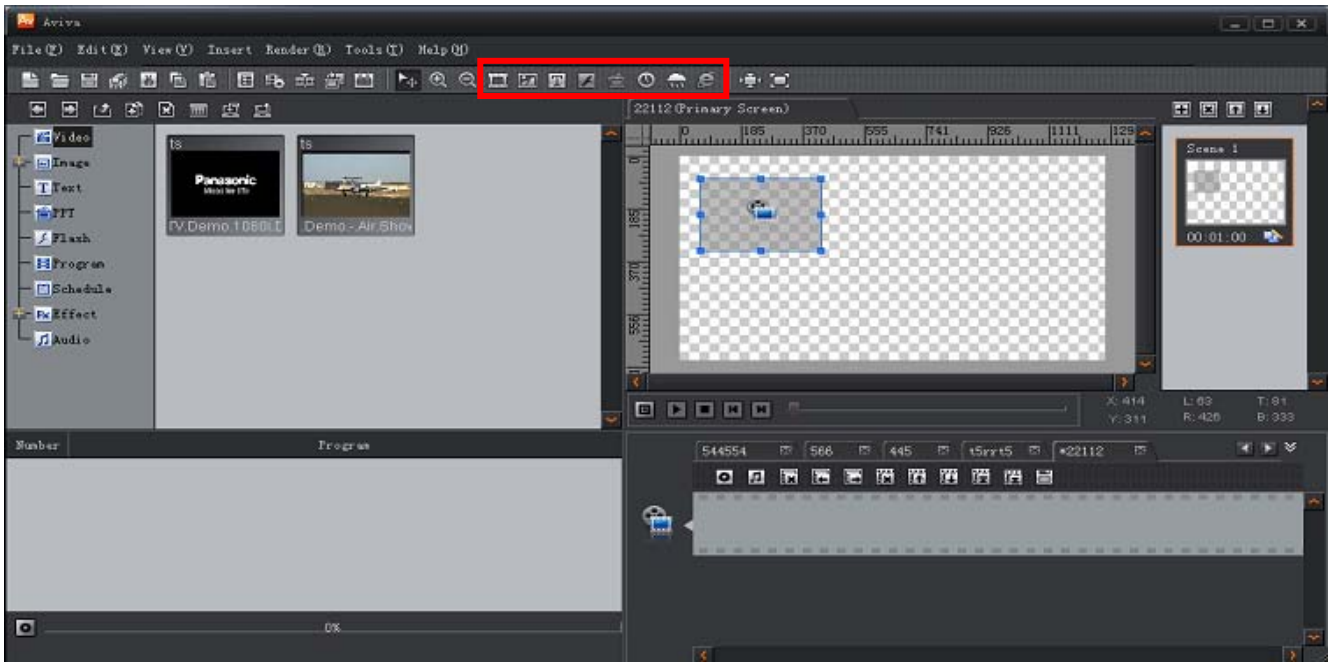
Select Video Clip object icon " " and drag and draw in the Program Preview & Layout zone

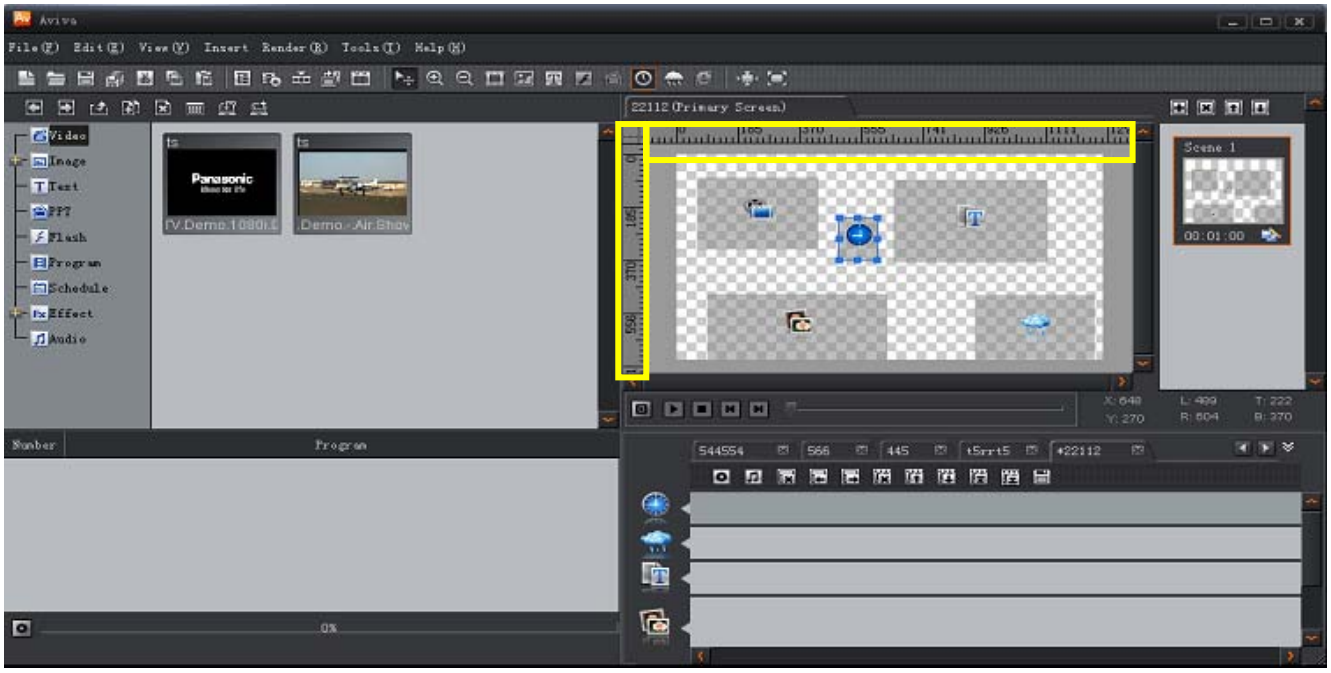
(or select "Insert-video objects" in toolbar.)

- ✓ Adjust it to proper size you want.
- ✓ Same steps shall be done to draw and adjust image and text zone.( clock, weather, etc)

**Hint:**

You can use the Mark Line to setup the X and Y coordinate so that you can play your video or image without distortion.



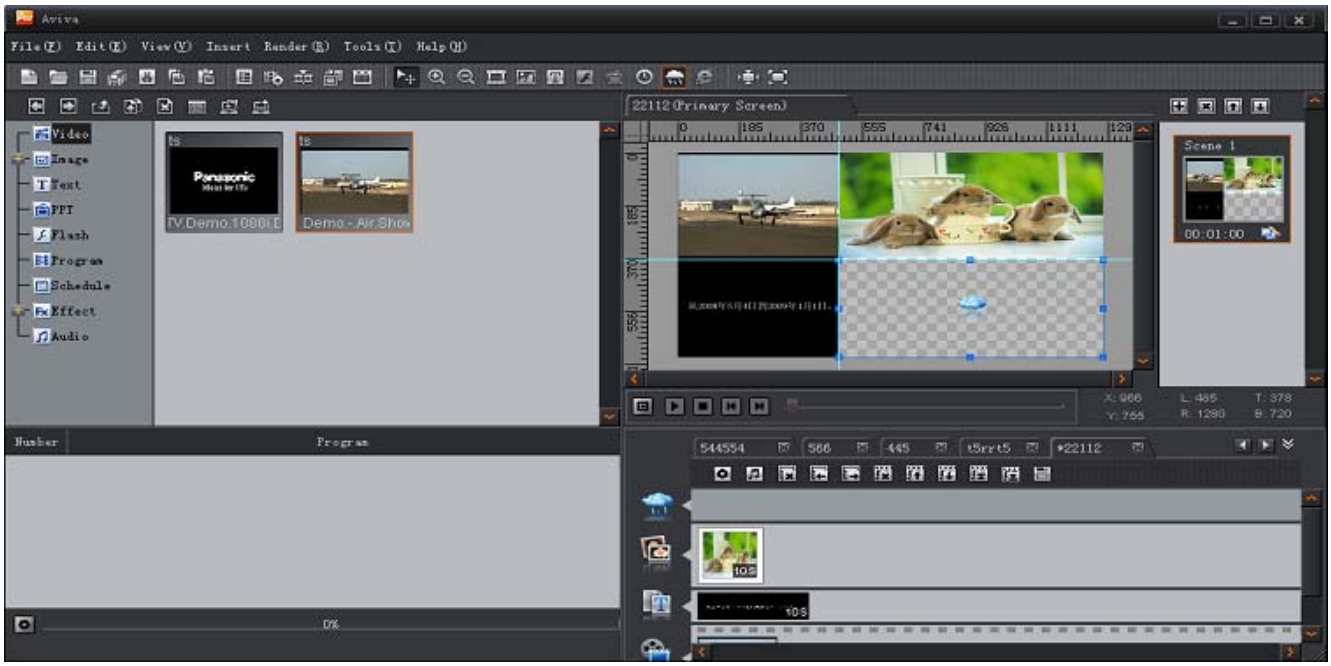


## 3.3 Add clips into tracks

Add clips after your layout is ready. Please refer to the following procedure,

- ✓ Drag and drop the video clips into video clips track from Explorer
- ✓ Same steps shall be done to drag and drop image and text clips to relevant track
- ✓ Right click on the Clock/Weather/HTTP track and select 'insert XX clip'
- ✓ Save Current Program from File Menu.

The following image is layout preview after adding clips.



**Hint:**

Supported file format as below, Video format that we can support, including:：

*.ts*.mpg*.avi*.mkv*.mov*.wmv*.rmvb*.vob*.flv

Image format that we can support, including:

*.jpg*.png*.bmp\

Document format that we can support, including:

*.txt(Unicode encoding)，*.PPT

For x86 device (TiVA3100), we also support *.swf flash and PPT file and http web link.

Right click on the clips in the track, we can set the property of each type clips, please refer to Property for detail information.

## 3.4 Program Rendering

After saving program, go to Program category in Explorer.

✓ You will find your program name in Program category

Drag and drop the program into the Render zone. (Or click the "add to render list" icon in then track area)

✓ Click on Render button to render the program

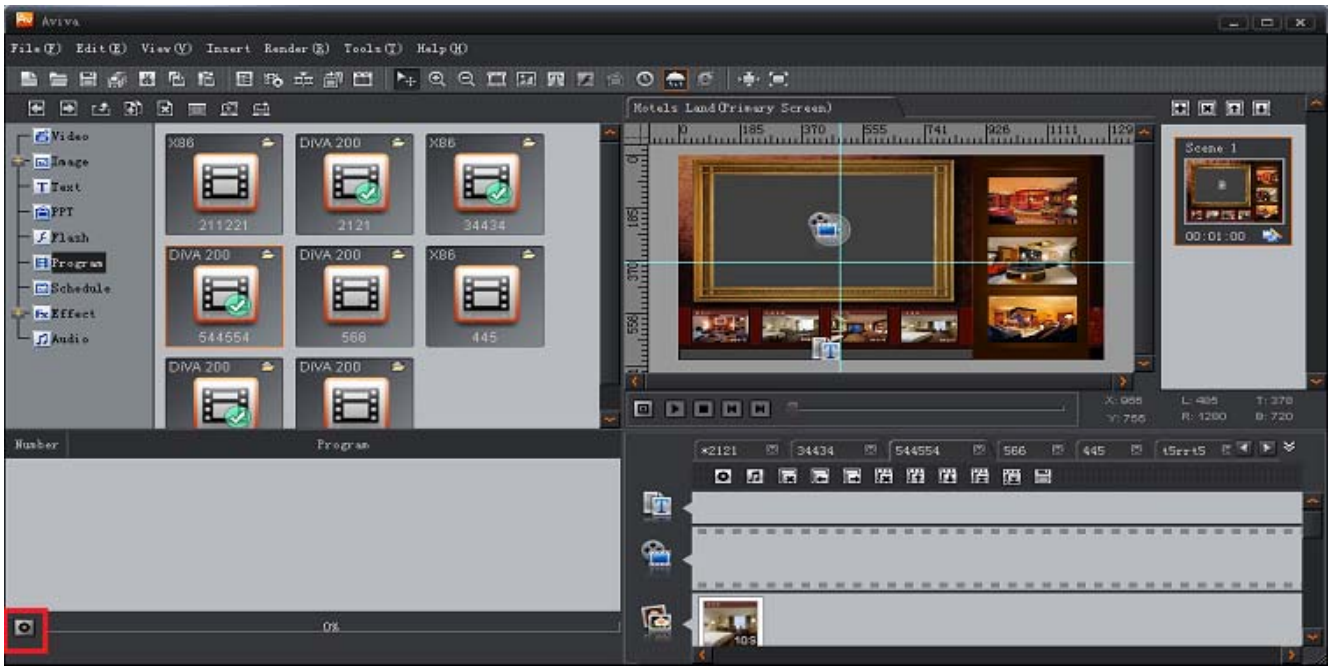
提示：

**Note:**

Re-click the render button during render process will cancel it.

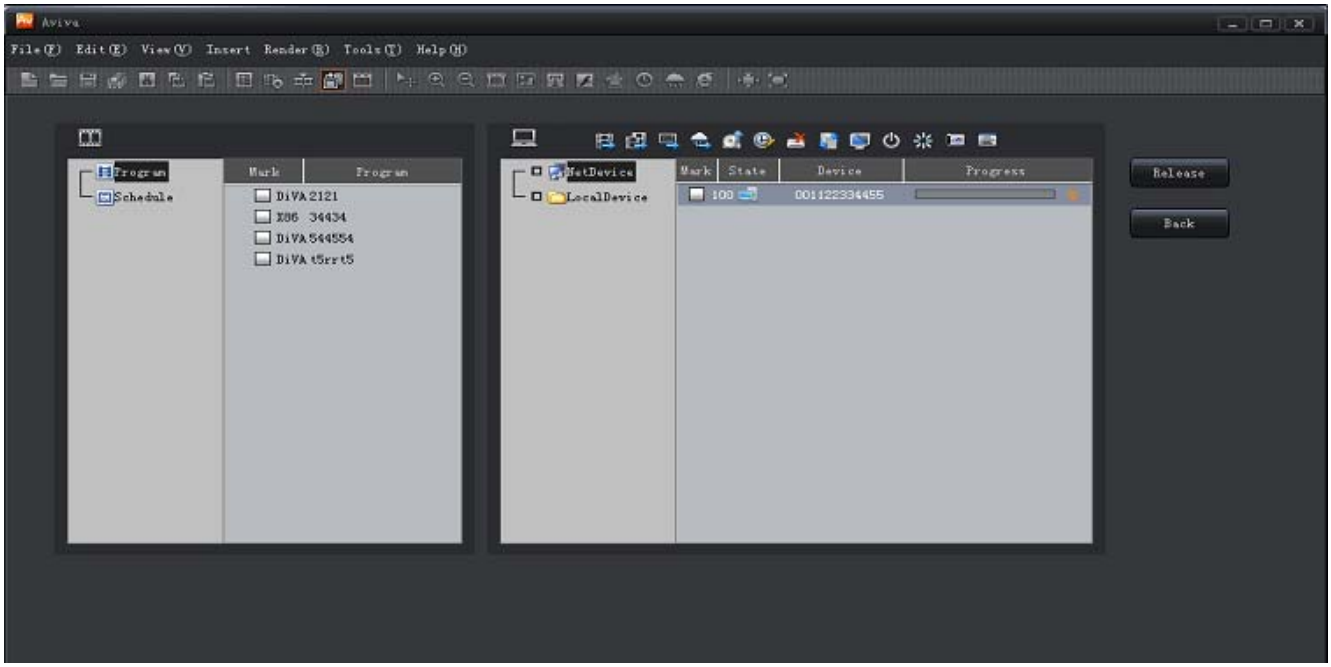
You can't see the program name in Deploy window until render the program.

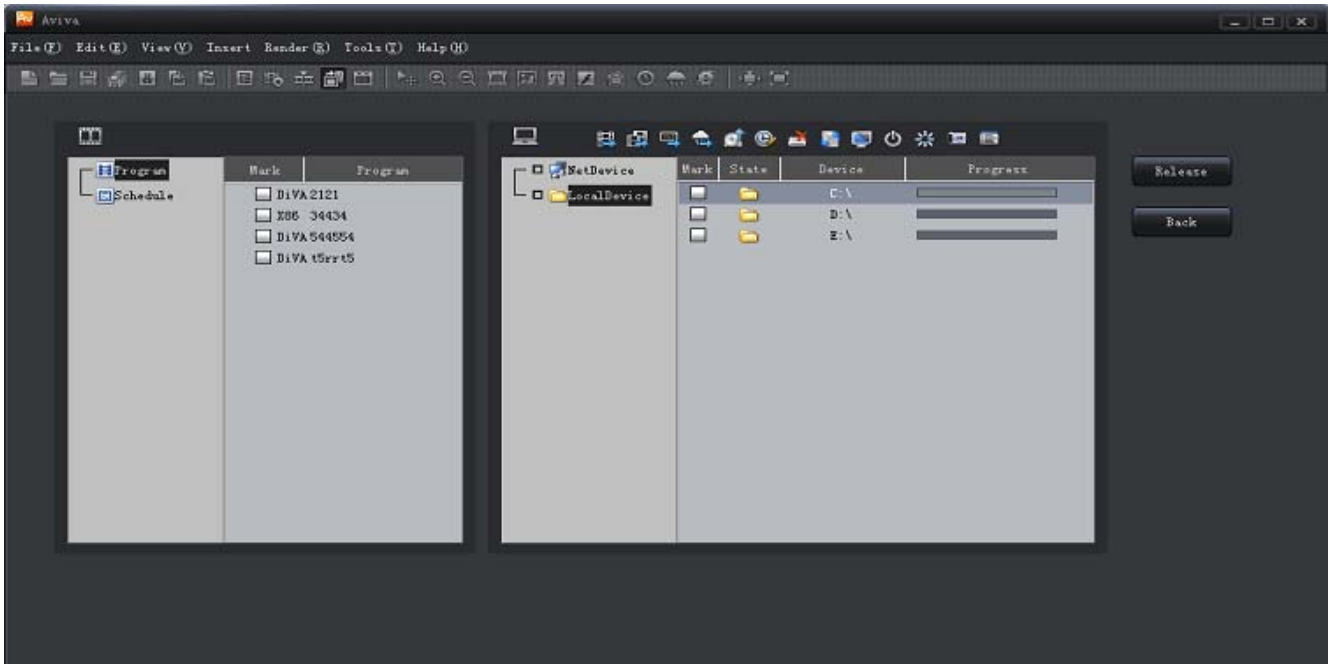
You shall render the program which you modified again every time.



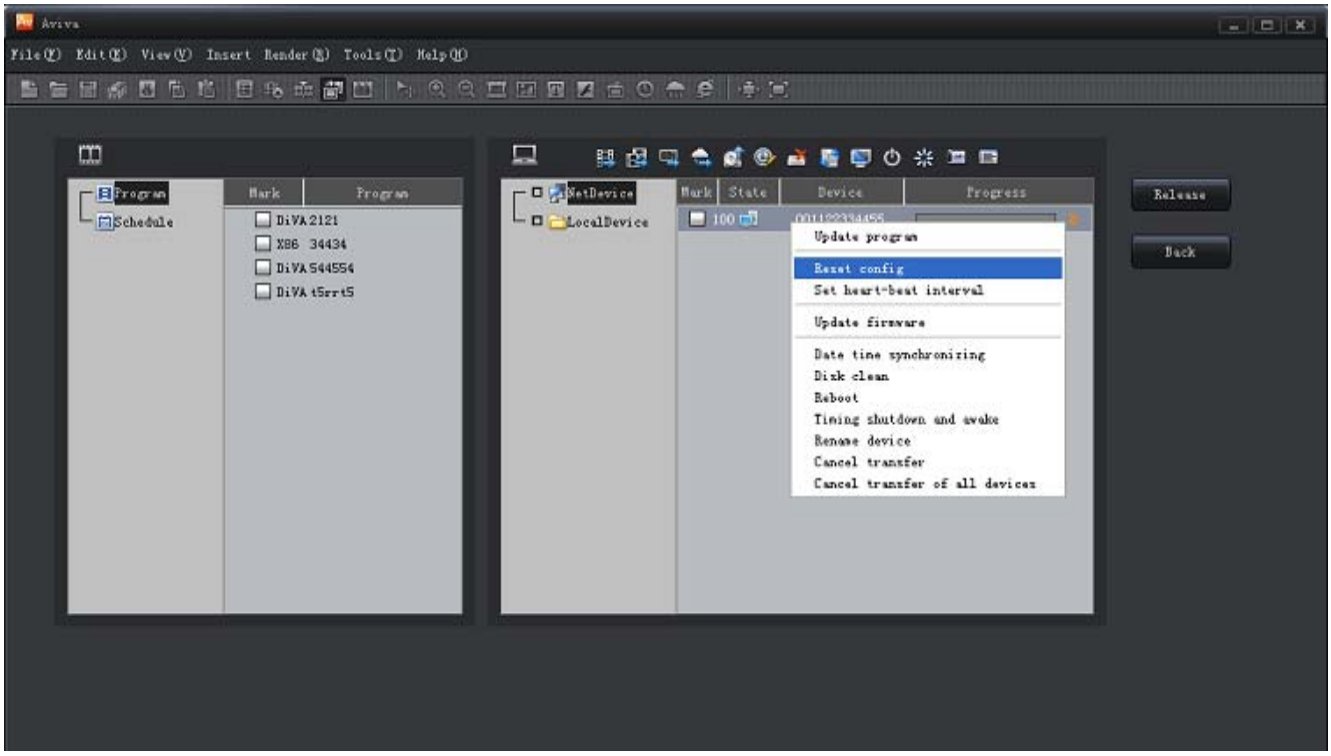
## 3.5 Program Releasing

- ✓ Select ‘Deploy Window’ option in View Menu/or click ‘Show Deploy Window’ button
- ✓ Check in Program name and Destination device (USB or Player)
- ✓ Click on ‘Release’ button to release the program.





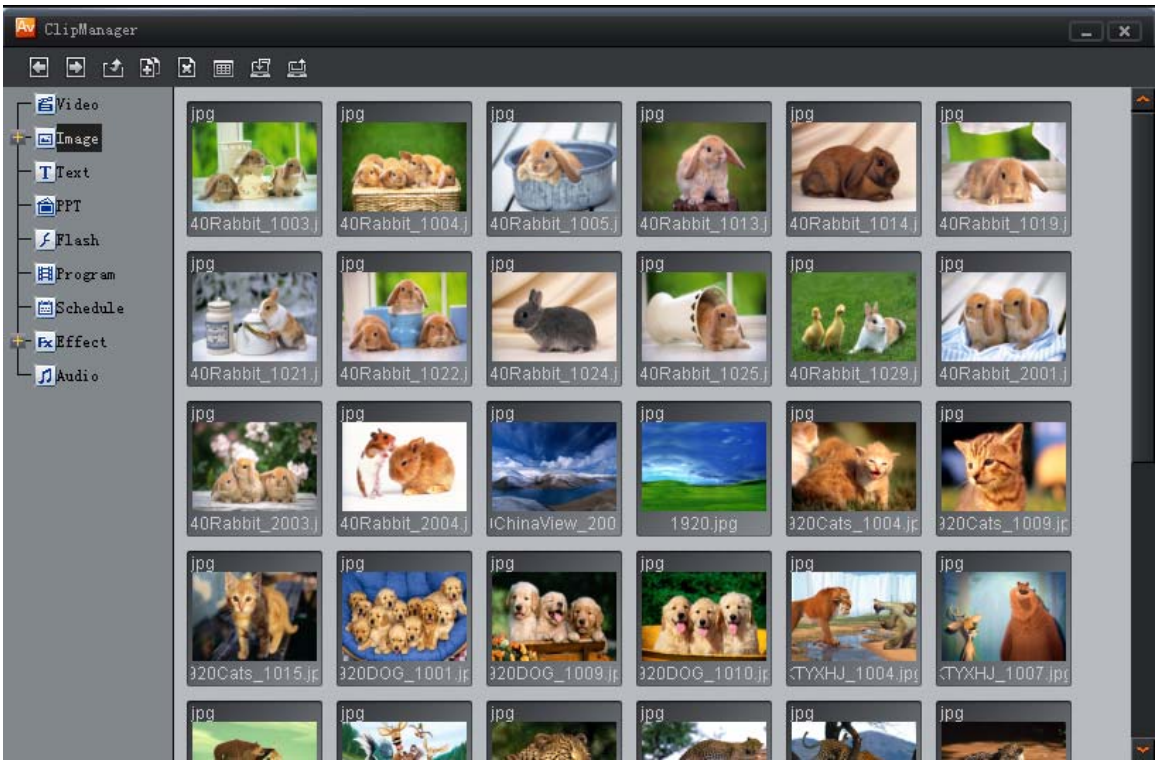

We can send commands to terminal device, please refer to the following image,



# Chapter 3 Learning More Features

## 1.Explorer

- ✓ You can manage your clips and program easily with Explorer function
- ✓ Clip Manager can be an individual zone by double-click on the top of explorer zone. So that you can put it anywhere, even extend to the extended screen if necessary
- ✓

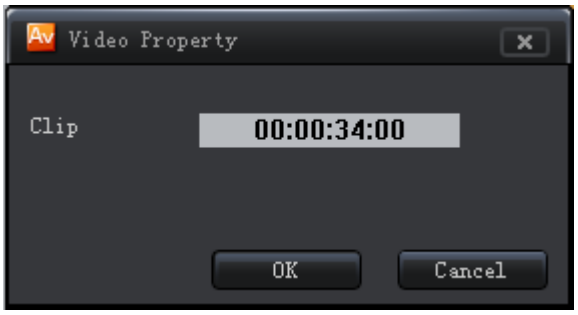


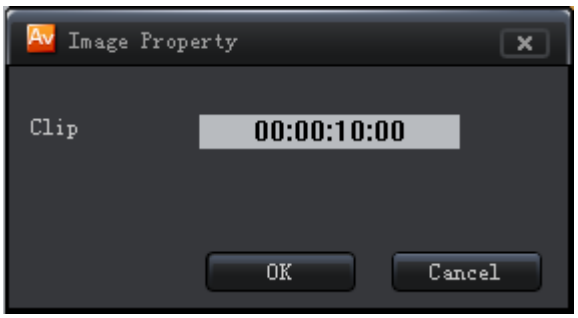

## 2.Property

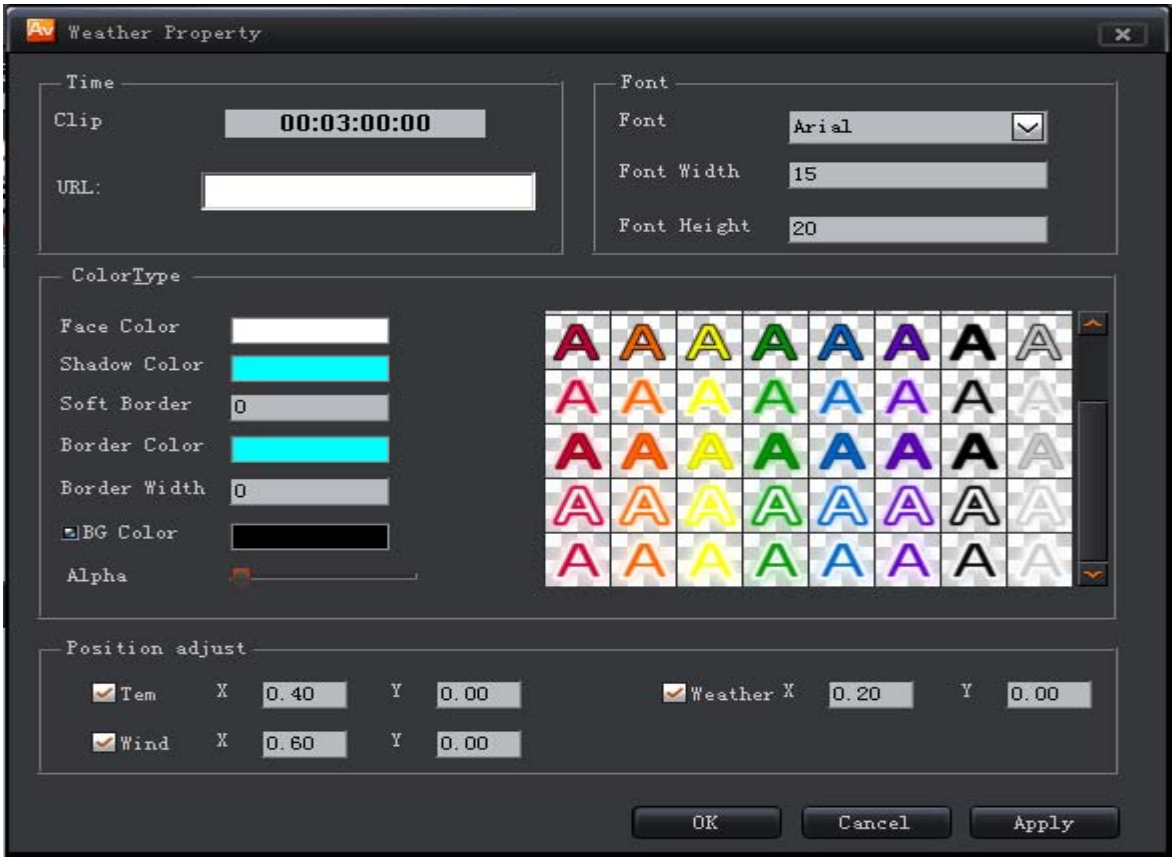
- ✓ You can edit each clip type's property in clips track
- ✓ Right click on the clips in clips track and select Property

**Hint:**

You shall select relevant **Font Type** with your text content. For example, your text content is in Chinese so that you shall select a Chinese Font type.



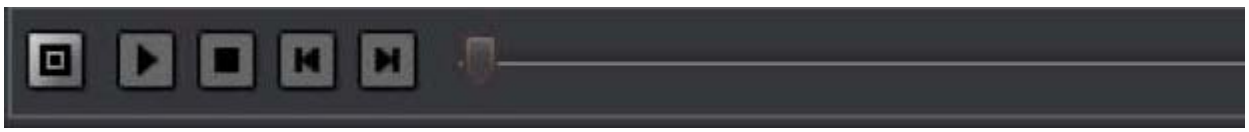

Weather Property
Time
Clip
00:03:00:00
URL:
Font
Font
Arial
Font Width
15
Font Height
20
ColorType
Face Color
Shadow Color
Soft Border
0
Border Color
Border Width
0
BG Color
Alpha
Position adjust
Tem
X
0.40
Y
0.00
Weather
X
0.20
Y
0.00
Wind
X
0.60
Y
0.00
OK
Cancel
Apply

Clock Property
Time
Clip
00:03:00:00
Font
Font
Arial
Font Width
45
Font Height
60
ColorType
Face Color
Shadow Color
Soft Border
0
Border Color
Border Width
0
BG Color
Alpha
Clock Type
2010/09/08
09/08/2010
08/09/2010
AM 11:31
2010/09/08 (Week)
11:31
X
0.00
Y
0.00
OK
Cancel
Apply

## 3.Preview

**Hint:** We recommend you to install FinalCodecs2009.exe if you want to preview your program.

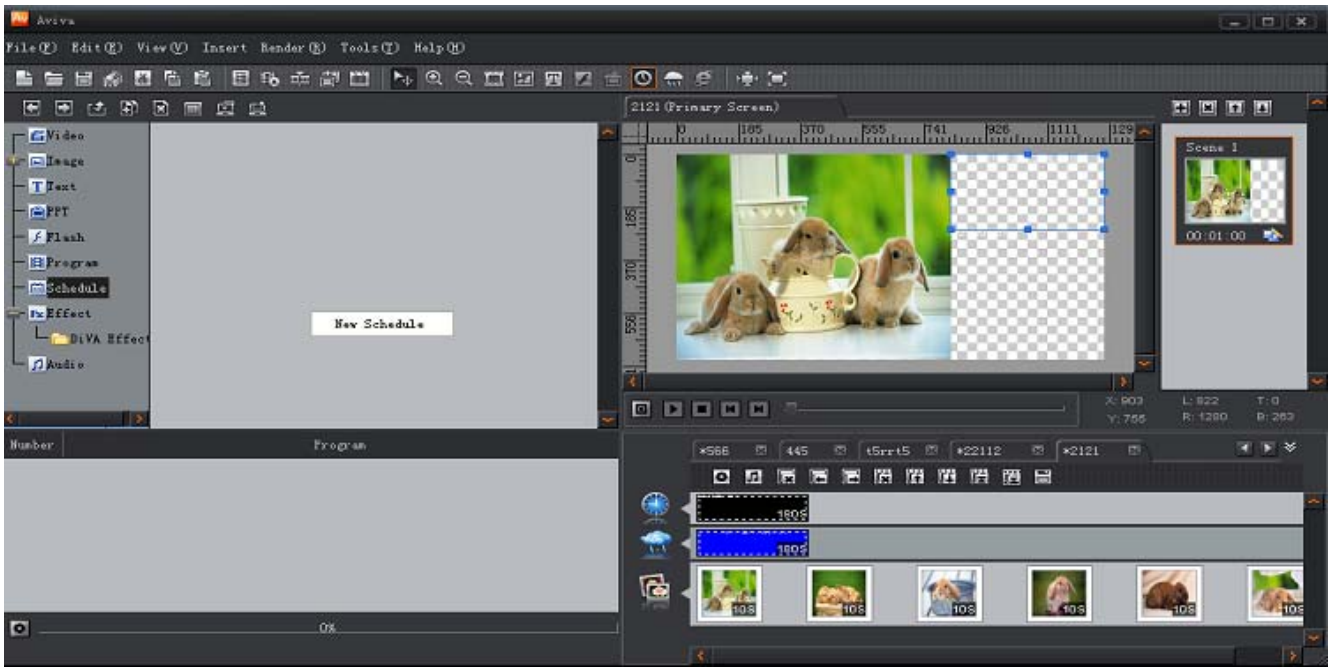
- ✓ Defaults install FinalCodec2009.exe.
- ✓ Execute Codecconfig.exe to regedit components for **Preview** function
- ✓ Click on the button to enable Preview Mode, it will turn green
- ✓ Click on button to start program preview

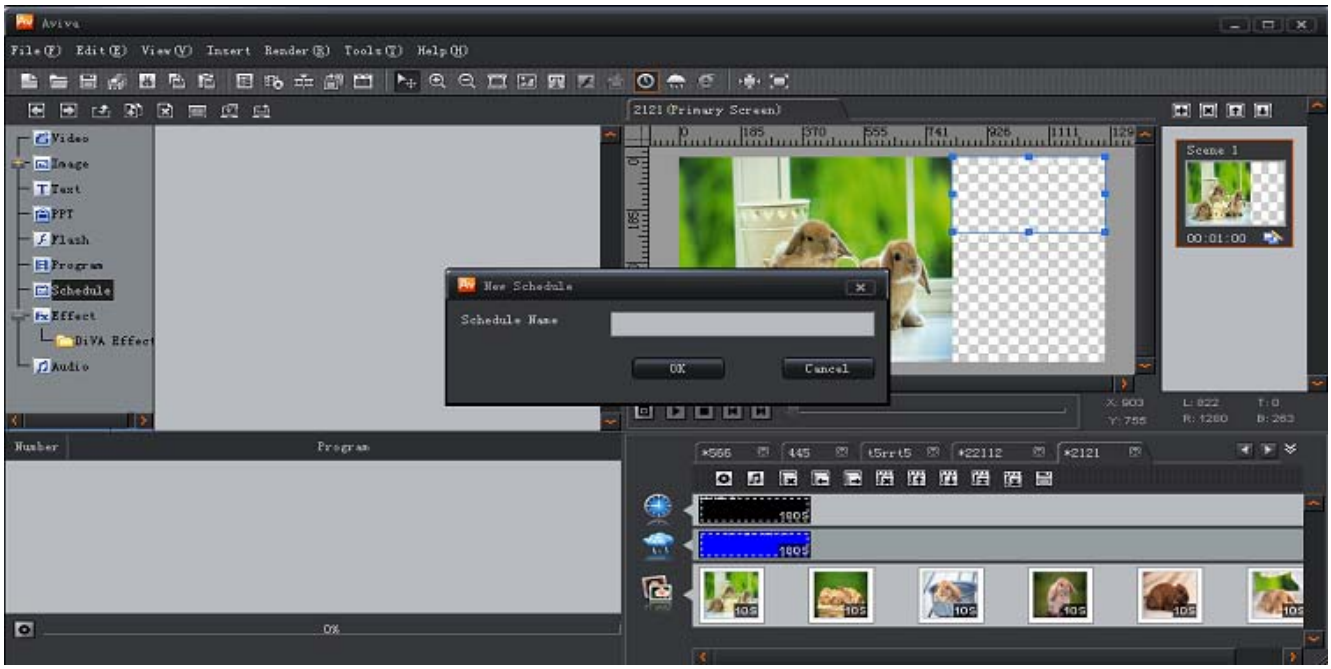


## 4.Schedule Function

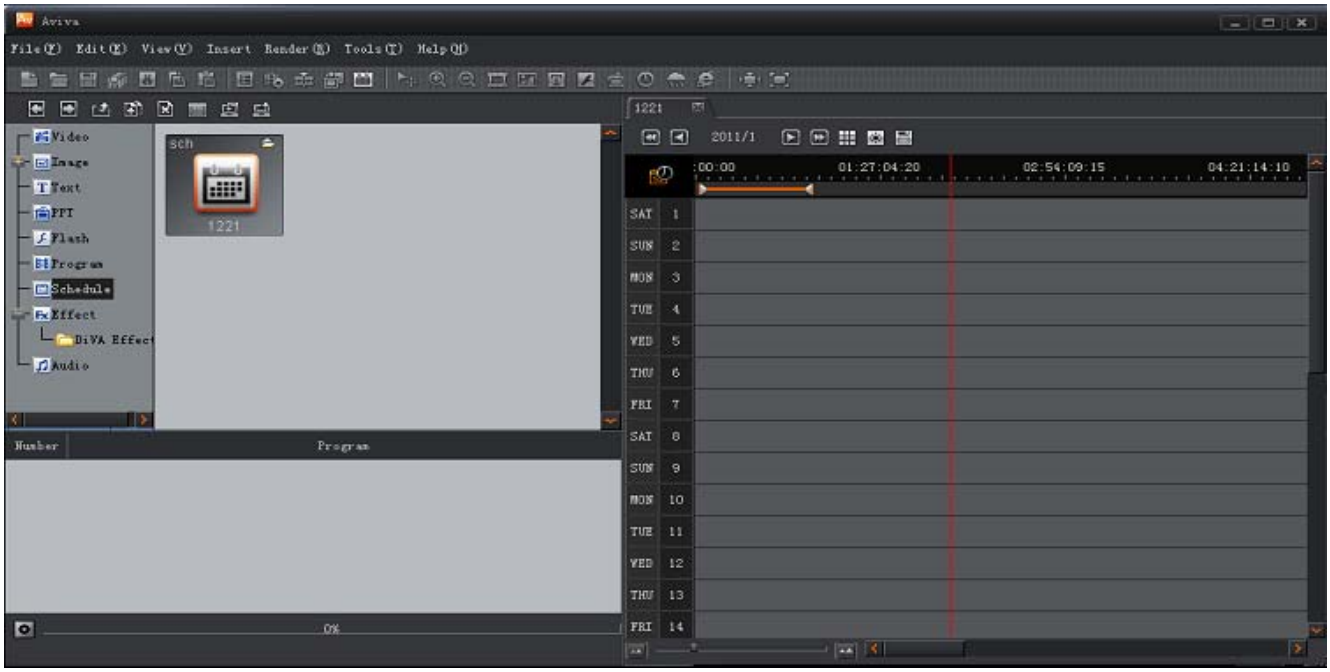
Aviva enables you to schedule programs to be played back in certain destinations at specific times. Programs can be displayed yearly, monthly, weekly, daily, or at multiple times within one day. Steps to schedule programs are as below,

- ✓ Create a new schedule in Explorer.

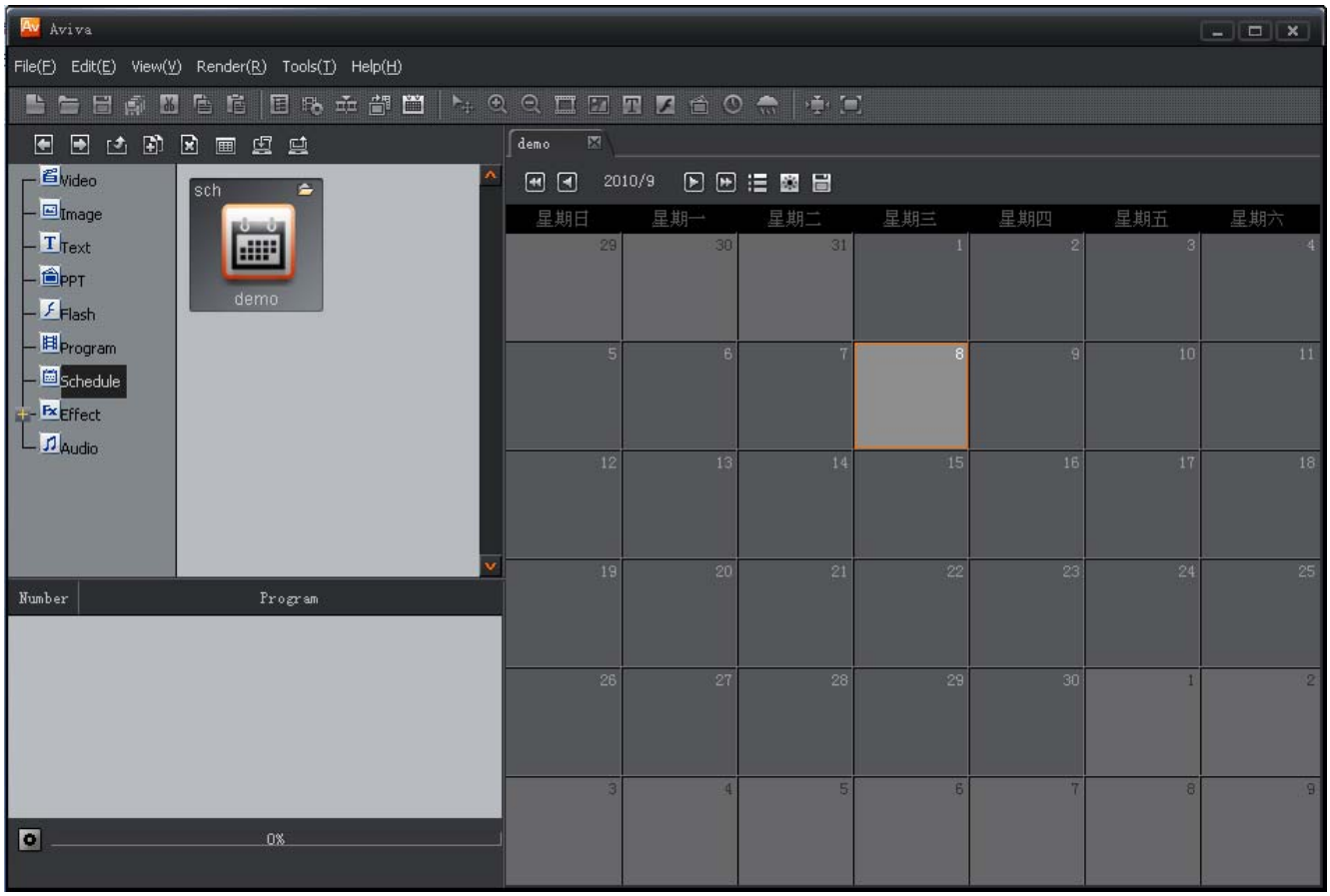


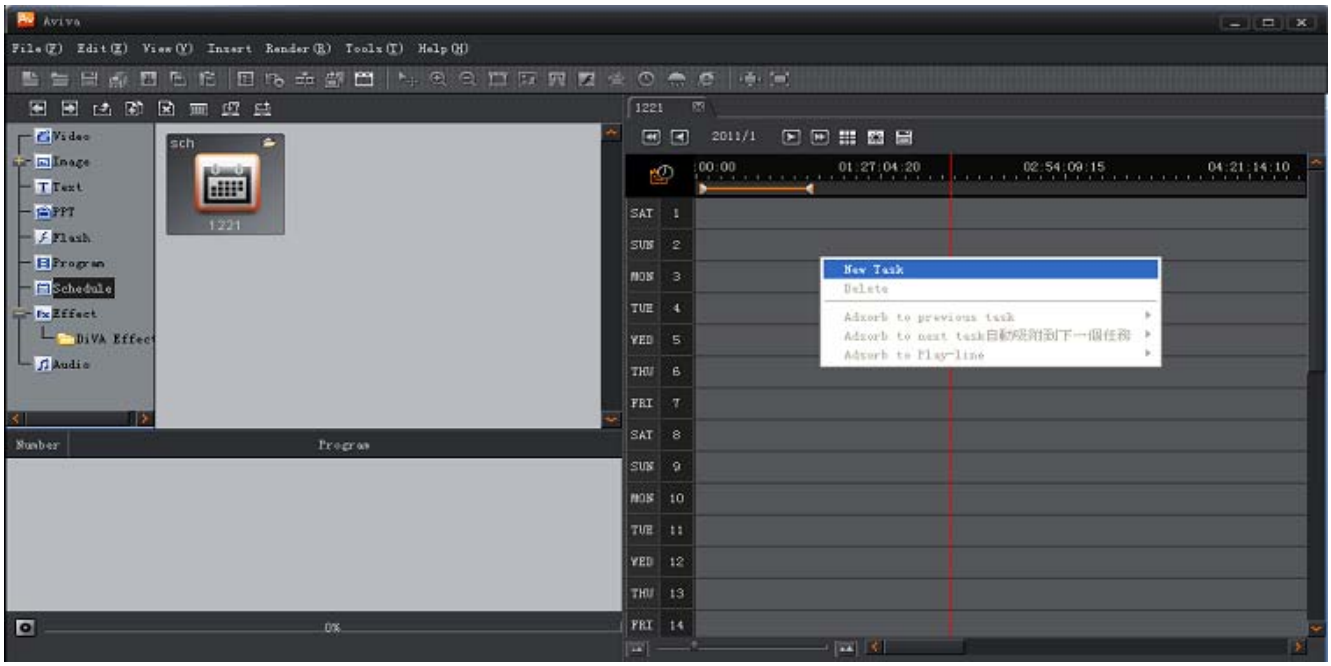

Schedule View



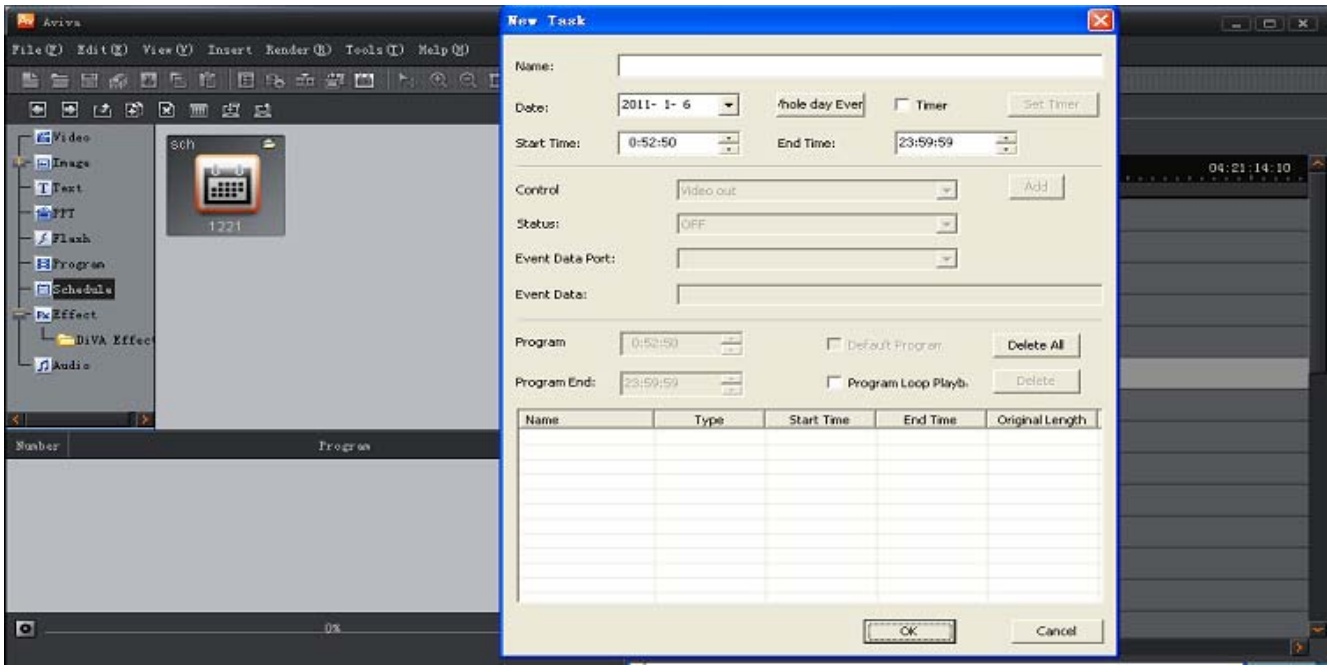

Calendar View

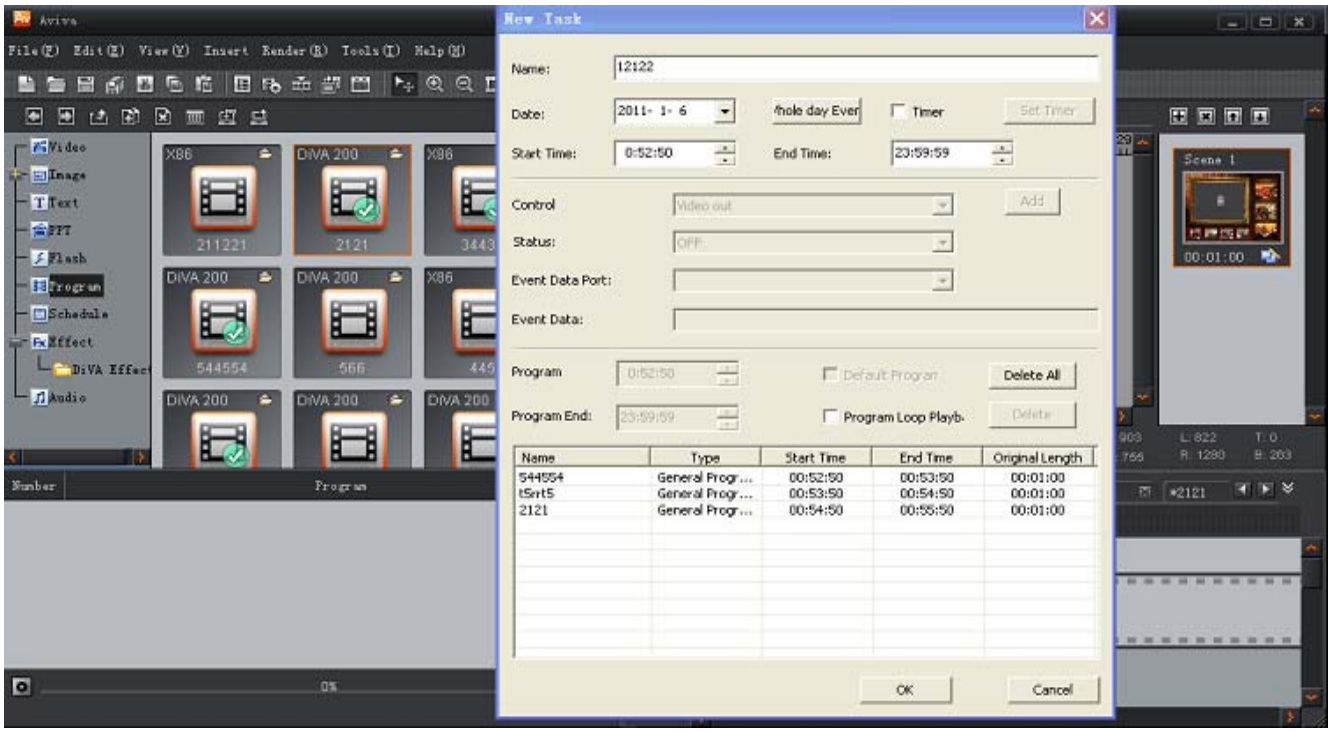



✓ Choose the schedule date and right click to select ‘New Task’




Drag and drop the rendered programs to the New Task dialog box

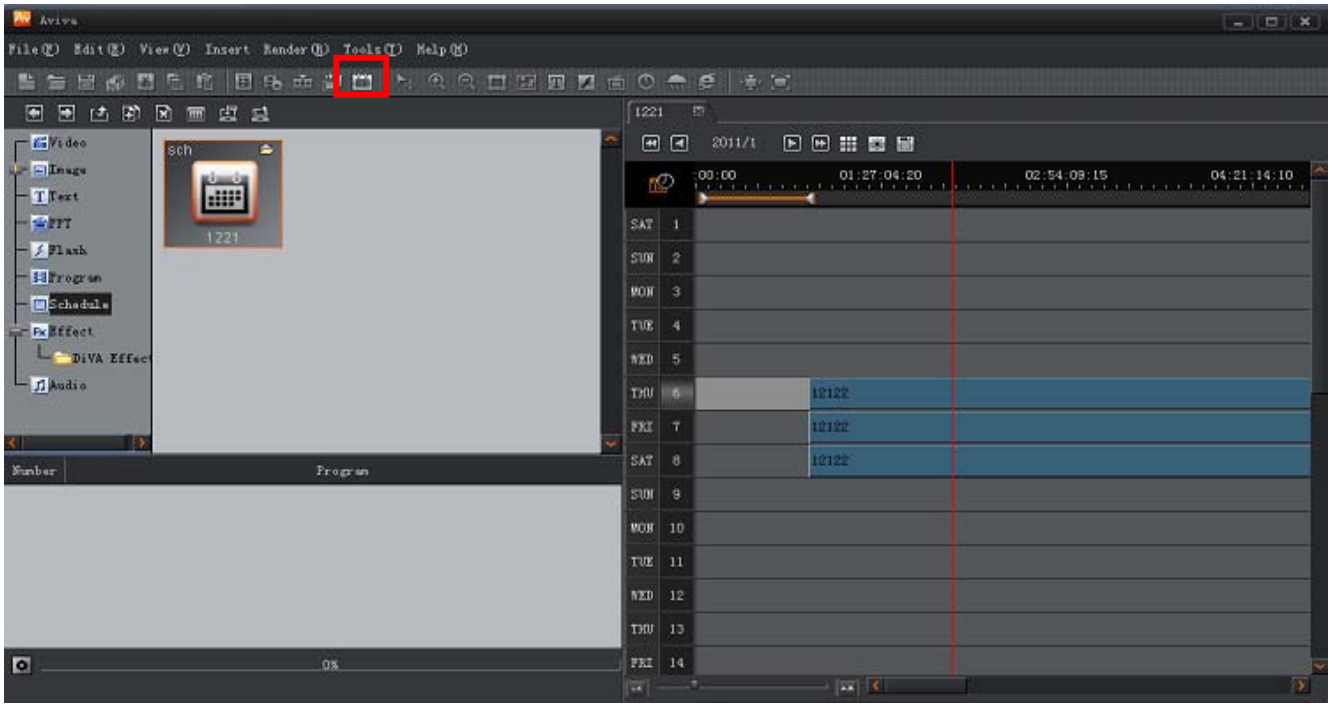




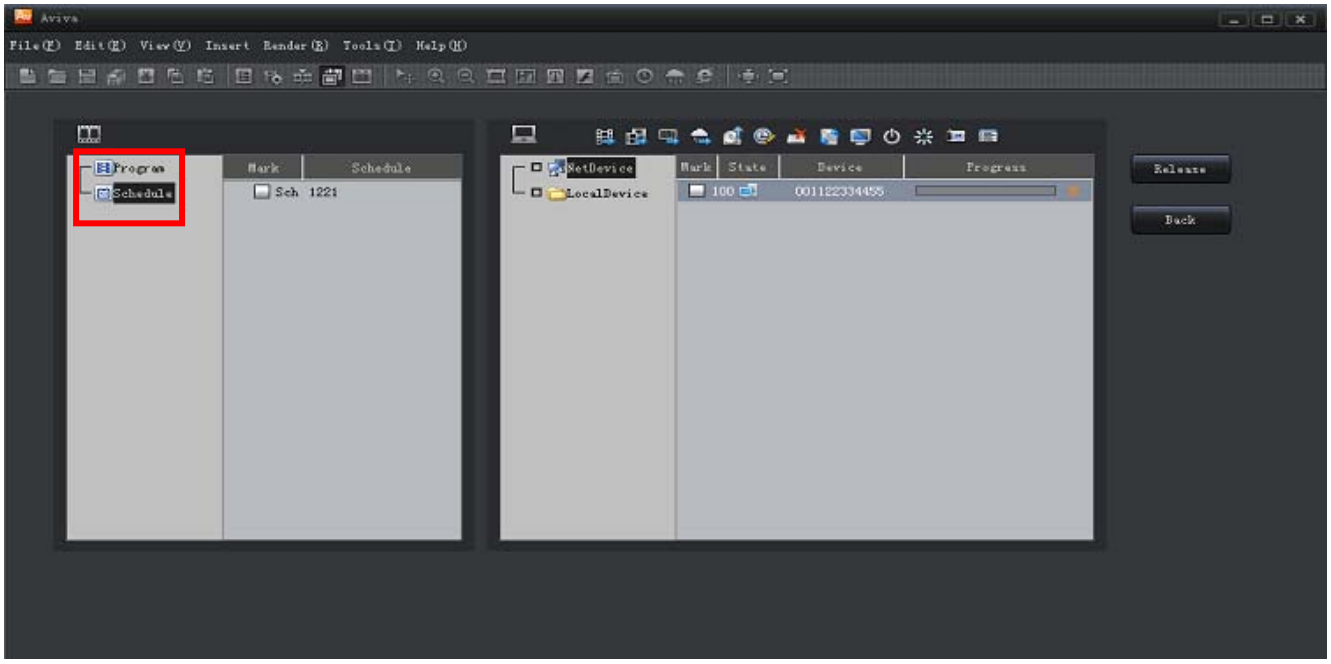

You can set 'Timer/Default Program/Loop Playback' and so on.

Click OK and then you can release the schedule in Deploy Window.

✓ Click on 'Hide Schedule Window' to exit Schedule status.



✓ Go to Deploy Window and you can release the schedule.



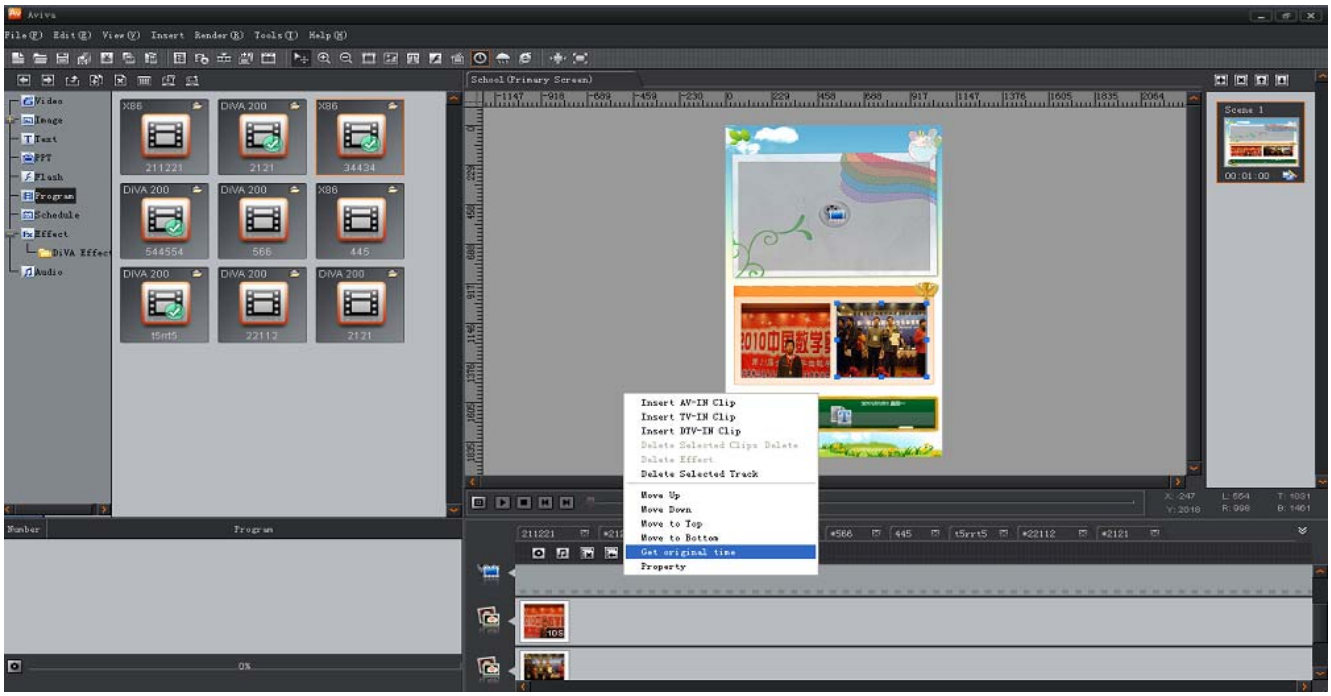

Program can be set to play "time, default, circulation and so on."
(Note: DiVA100, DiVA200, X86 programs cannot be in the same schedule program)

## 5.Video-in Function

- ✓ You can insert TV-in/DTV-in or AV-in clip in video track.
- ✓ TV-in/AV-in program will be shown when it's time to play TV-in/AV-in clips.

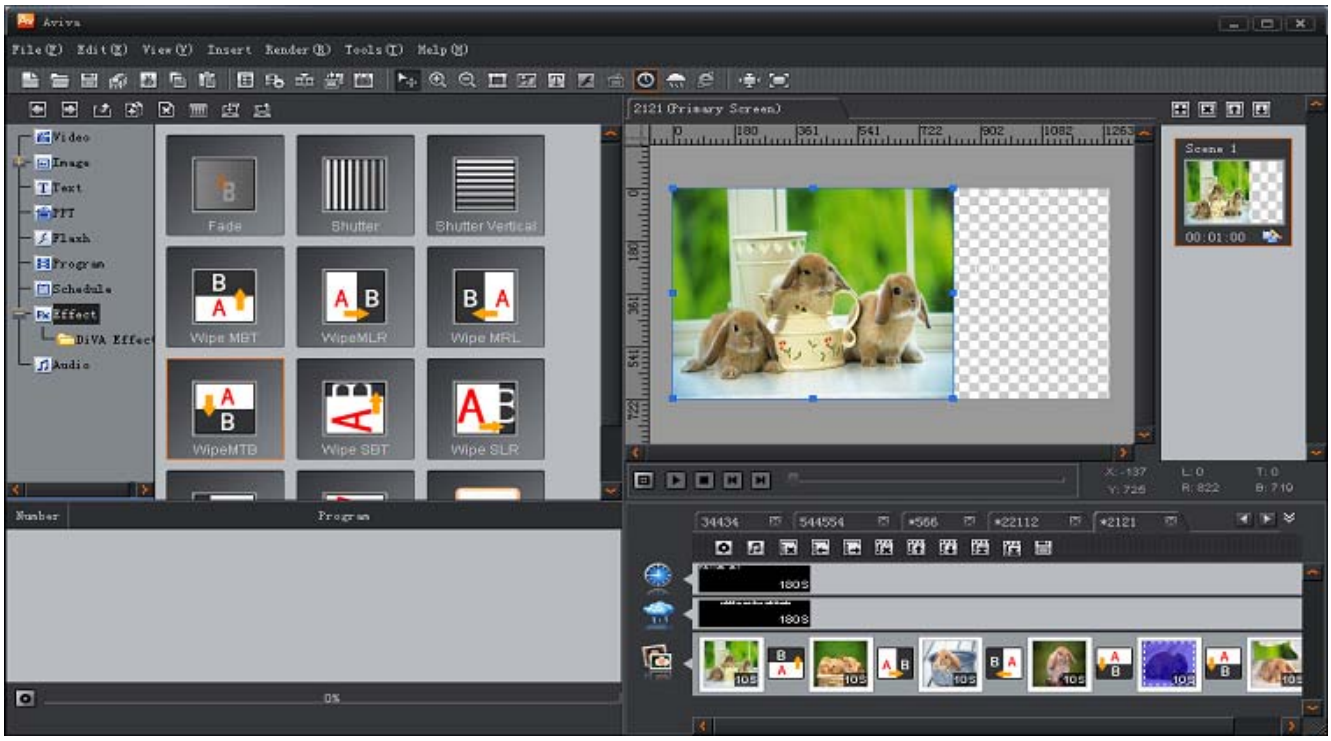
**Hint:**

If terminal device own TV Tuner module (optional), you can use TV-in / DTV-in function



# 6.Image effect

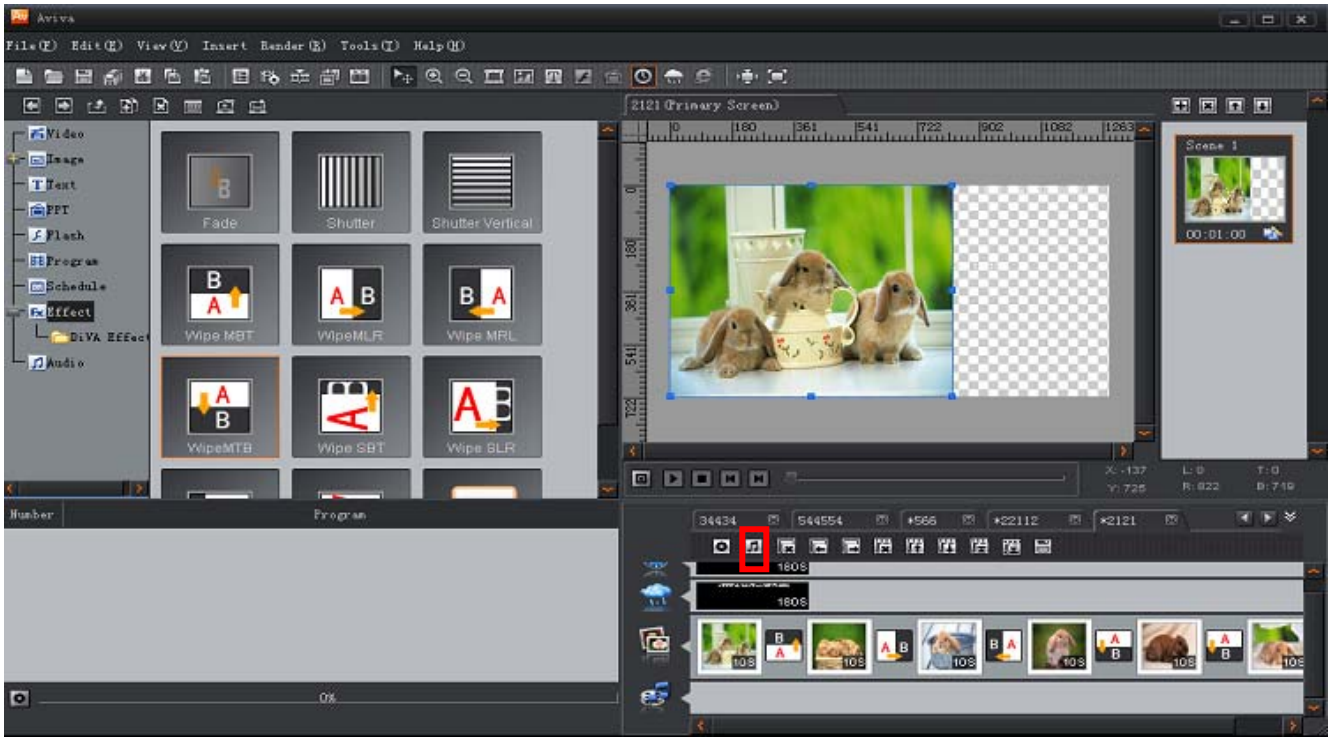
✓ Select an image file in image track, and drag effects from Effect category in Explorer then drop it next to the image.




**Hint:** Effect in DiVA Effect folder only fit in DiVA-200/GiVA-210/DiVA-120 player.

# 7.Background Audio

✓ Create or open a program
✓ Select 'Add Audio clip' on the top of track zone, and an audio track will be generated.
✓ You can add MP3 files to the audio track zone as background audio




**Hint:** Background audio doesn't occupy layout number.

## 8.Change FTP Directory

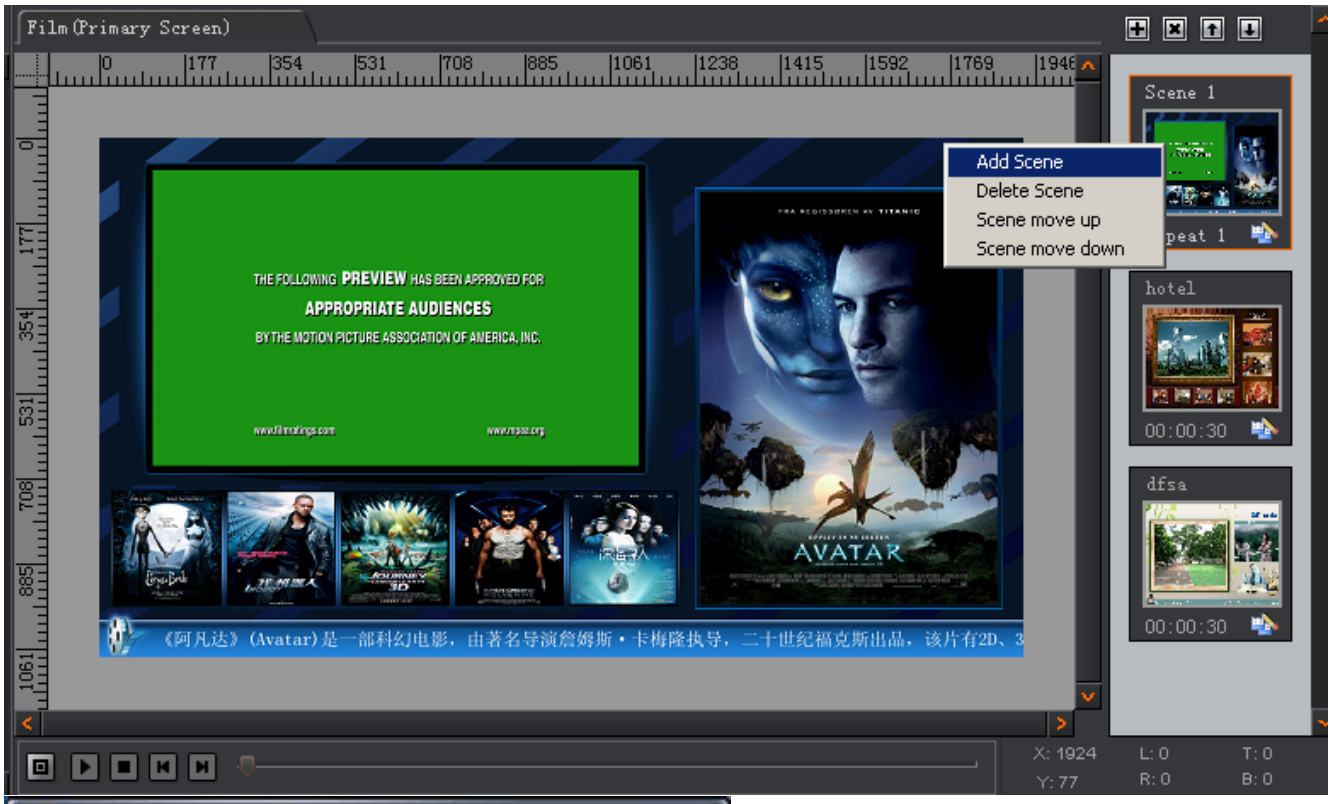
If you want to change your FTP Directory, please do as the following steps,

✓ Copy **Fonts** folder to the new directory
For example, if you want to change to **F:\ProgramData**, please copy **Fonts** folder in **C:\Program Files\Colavia\Aviva v1.0.5.3\ProgramData** to **F:\ProgramData,** and please ensure that **Fonts** is the subfolder of **F:\ProgramData**.

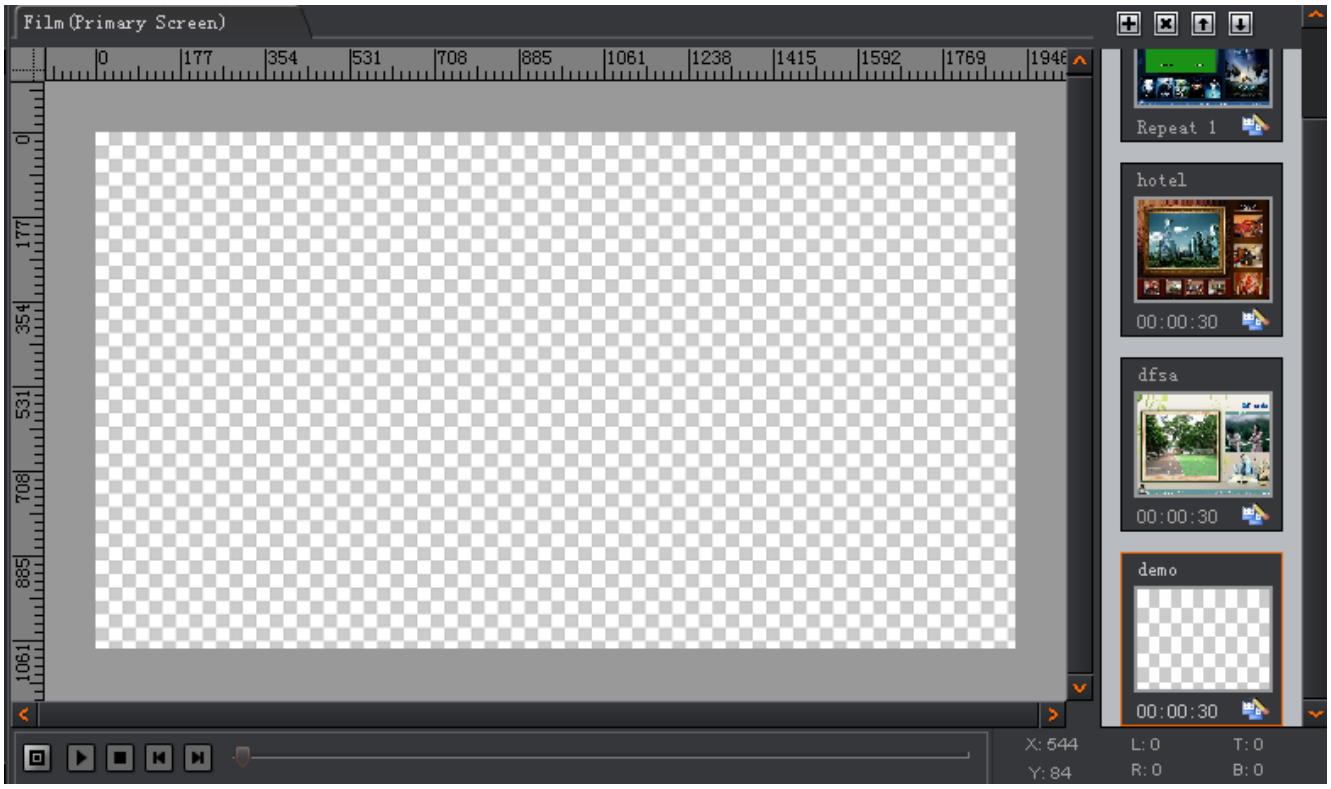
## 9.Scene Function

You can define various layouts in one program over Scene function.

✓ Right click on the right side of program and select 'Add Scene'
✓ Name your new scene and click OK.
✓ A new template will be generated and you can design your new layouts here.


Film (Primary Screen)
Add Scene
Delete Scene
Scene move up
Scene move down
Scene 1
hotel
00:00:30
dfsa
00:00:30
THE FOLLOWING PREVIEW HAS BEEN APPROVED FOR
APPROPRIATE AUDIENCES
BY THE MOTION PICTURE ASSOCIATION OF AMERICA, INC.
AVATAR
《阿凡达》(Avatar)是一部科幻电影，由著名导演詹姆斯·卡梅隆执导，二十世纪福克斯出品，该片有2D、3
X: 1924
Y: 77
L: 0
R: 0
T: 0
B: 0

New Scene
Name
demo
OK
Cancel

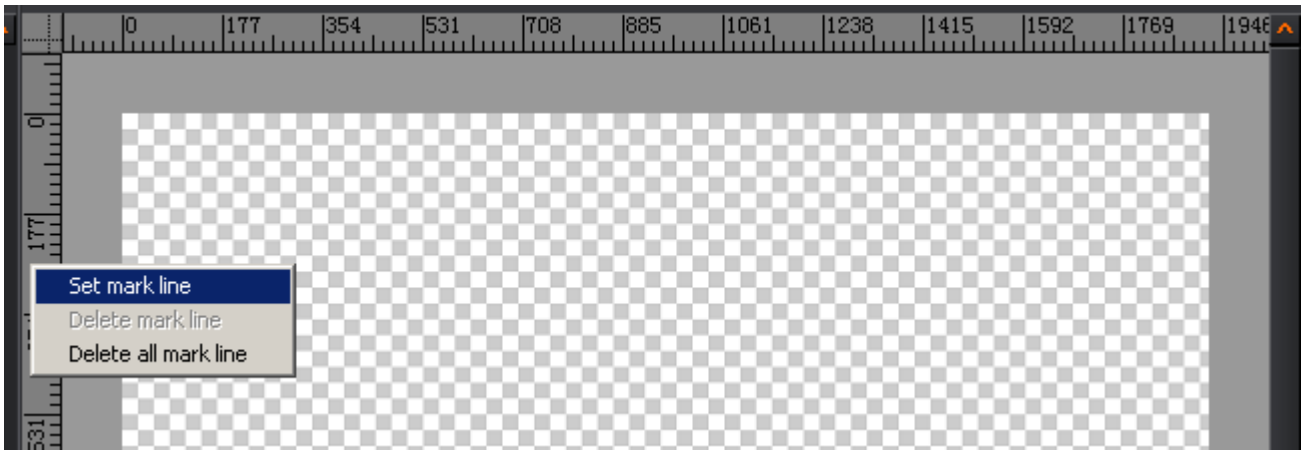

Film (Primary Screen)
Repeat 1
hotel
00:00:30
dfsa
00:00:30
demo
00:00:30
X: 544
Y: 84
L: 0
R: 0
T: 0
B: 0

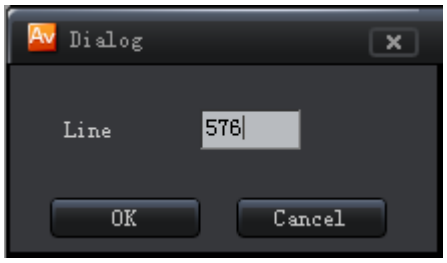
Click the" " button to view the original broadcast time and modify it.

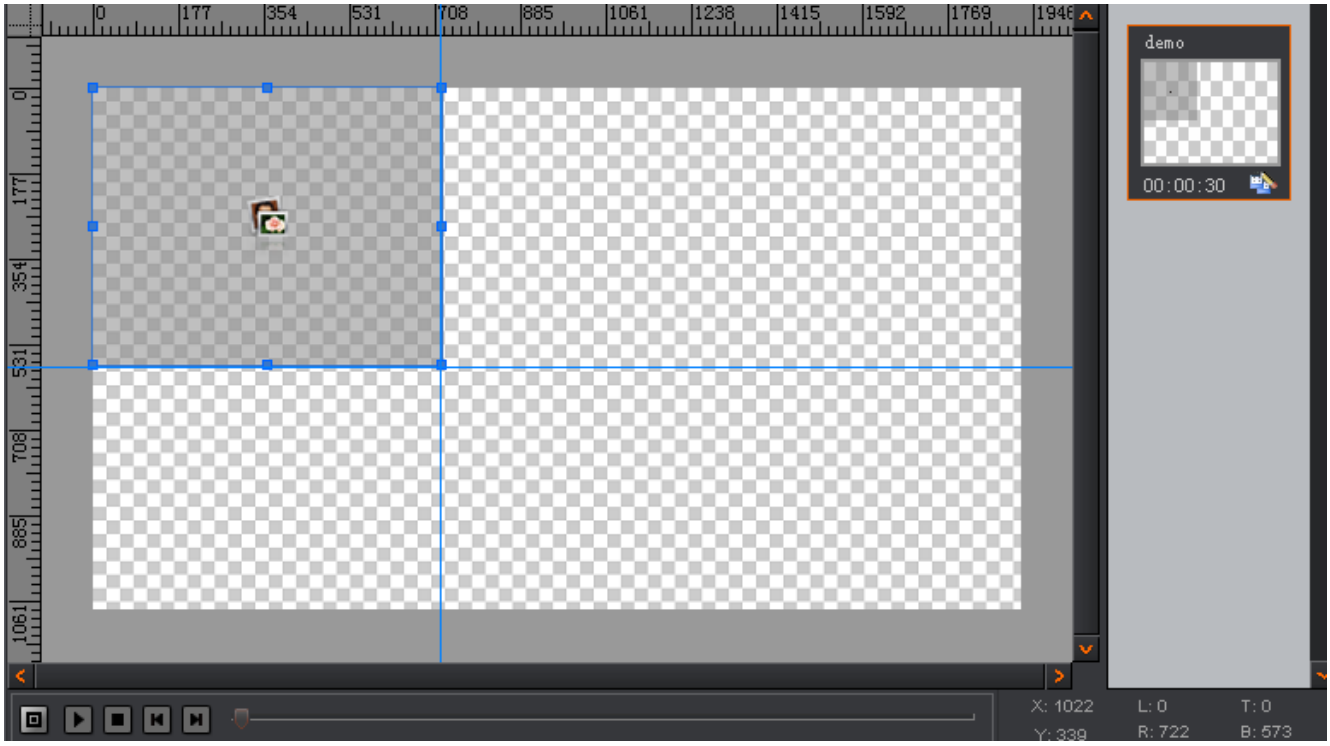
(Note: The second scene, and all subsequent scenes, should be consistent with the display mode of the first scene.)

## 10. Use Mark Line to edit layout without distortion

- ✓ Right click on the left and top edge of the layout zone and select 'set mark line'.
- ✓ Set vertical pixel value as 576 and horizontal pixel value as 720
- ✓ So the image zone in the layout should be 720x576 without distortion.

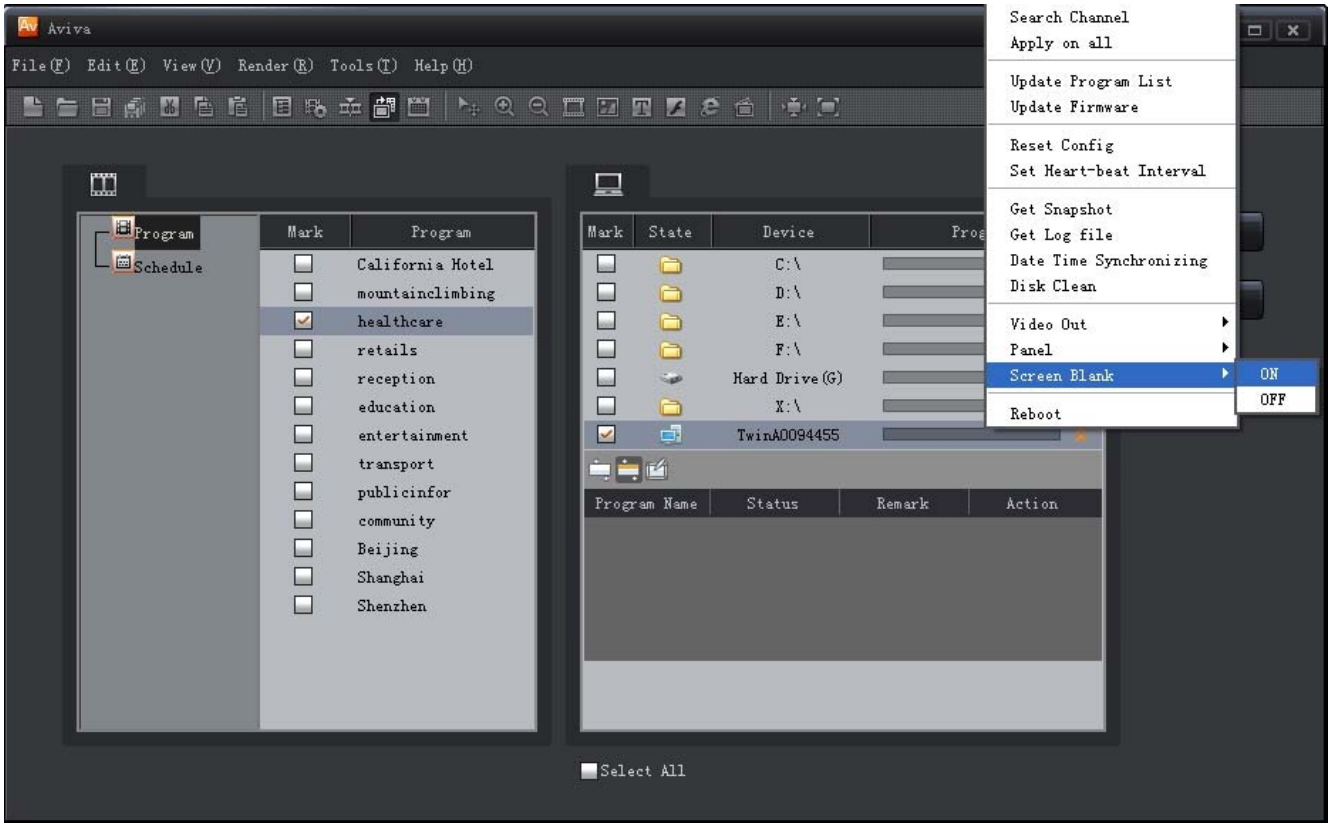


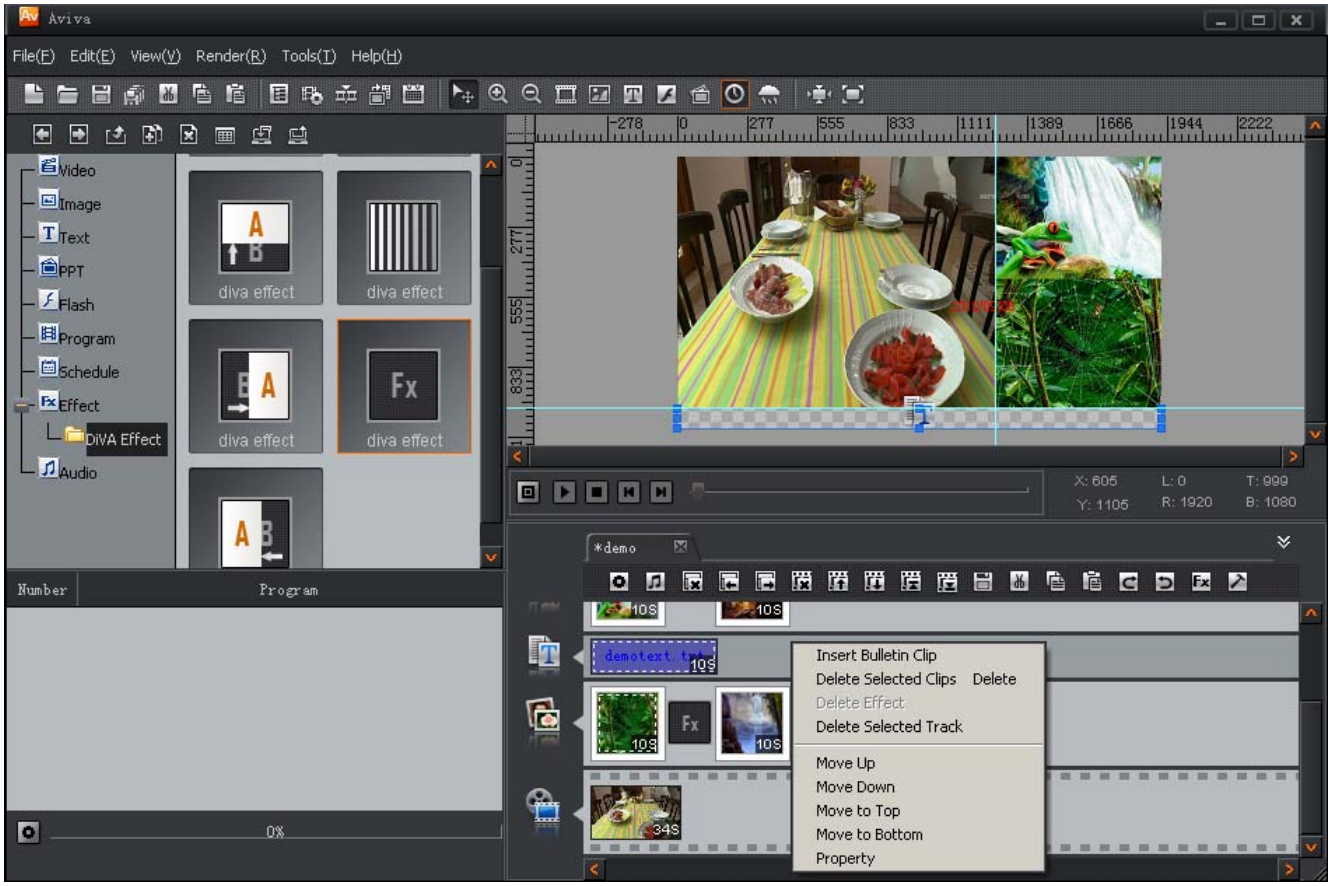



# 11. Insert Program / Emergency message / Update Weather Information

✓ You will be able to update above information after you get connected with terminal device via LAN. You can send command as below.



✓ You should insert a Bulletin clip in text zone and then you can update emergency message whatever you want, it will be shown immediately whenever you update.




# 12. Video wall

You can apply Aviva to video wall application.

✓ Create a x86-TiVA3060 program.

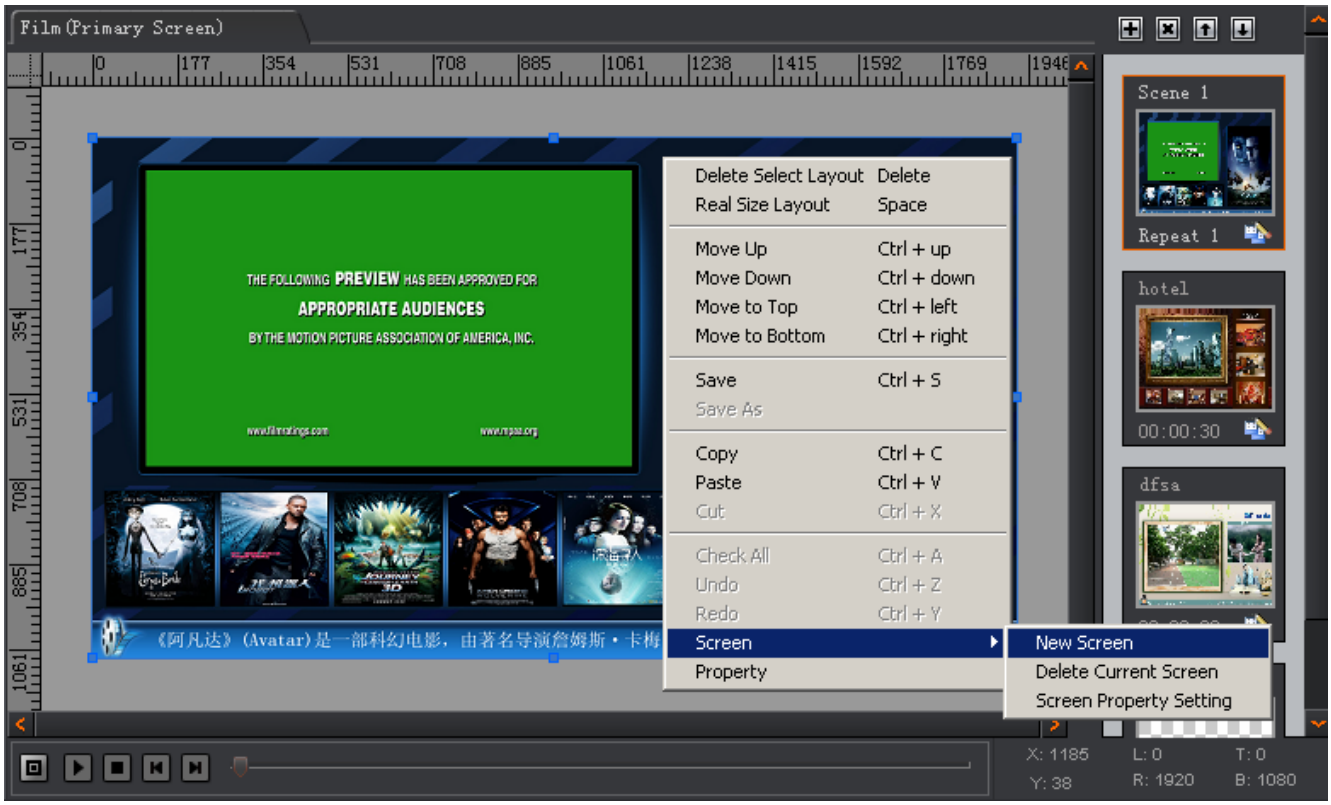
✓ Right click on the layout screen and select ‘Screen-New Screen’

✓ Fill in related information

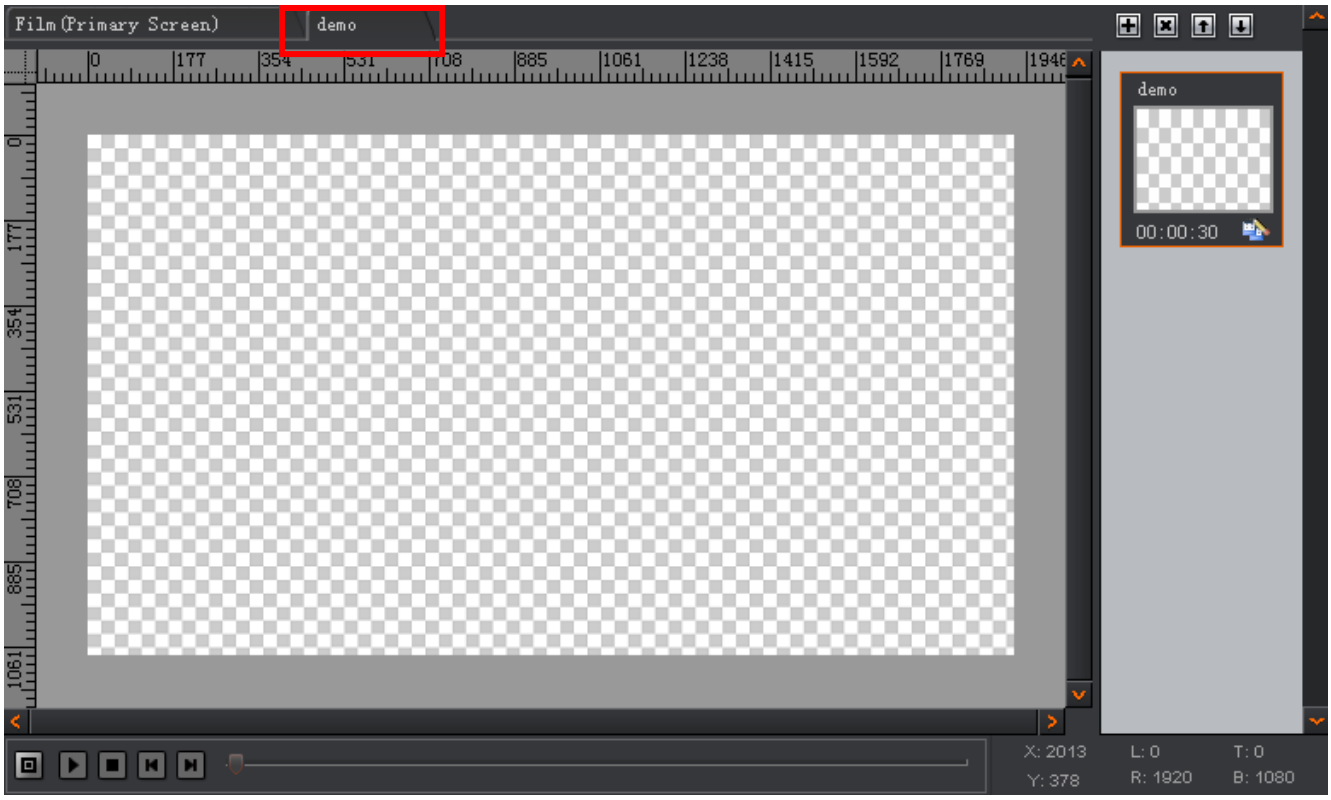
✓ Then a new template will be generated as below.

✓ Primary screen and 2nd screen contents will be separately displayed on individual screen after released to terminal device.

Note：Only x86 device with two output interfaces support this function.


Film(Primary Screen)
Scene 1
Repeat 1
hotel
00:00:30
dfsa
THE FOLLOWING PREVIEW HAS BEEN APPROVED FOR
APPROPRIATE AUDIENCES
BY THE MOTION PICTURE ASSOCIATION OF AMERICA, INC.
《阿凡达》(Avatar)是一部科幻电影，由著名导演詹姆斯·卡梅
Delete Select Layout Delete
Real Size Layout Space
Move Up Ctrl + up
Move Down Ctrl + down
Move to Top Ctrl + left
Move to Bottom Ctrl + right
Save Ctrl + S
Save As
Copy Ctrl + C
Paste Ctrl + V
Cut Ctrl + X
Check All Ctrl + A
Undo Ctrl + Z
Redo Ctrl + Y
Screen
Property
New Screen
Delete Current Screen
Screen Property Setting
X: 1185
Y: 38
L: 0
R: 1920
T: 0
B: 1080

New Screen
Screen Name
demo
Rotation
0
Output:
X86
Resolution
16:9 (1920x1080)
确定
取消

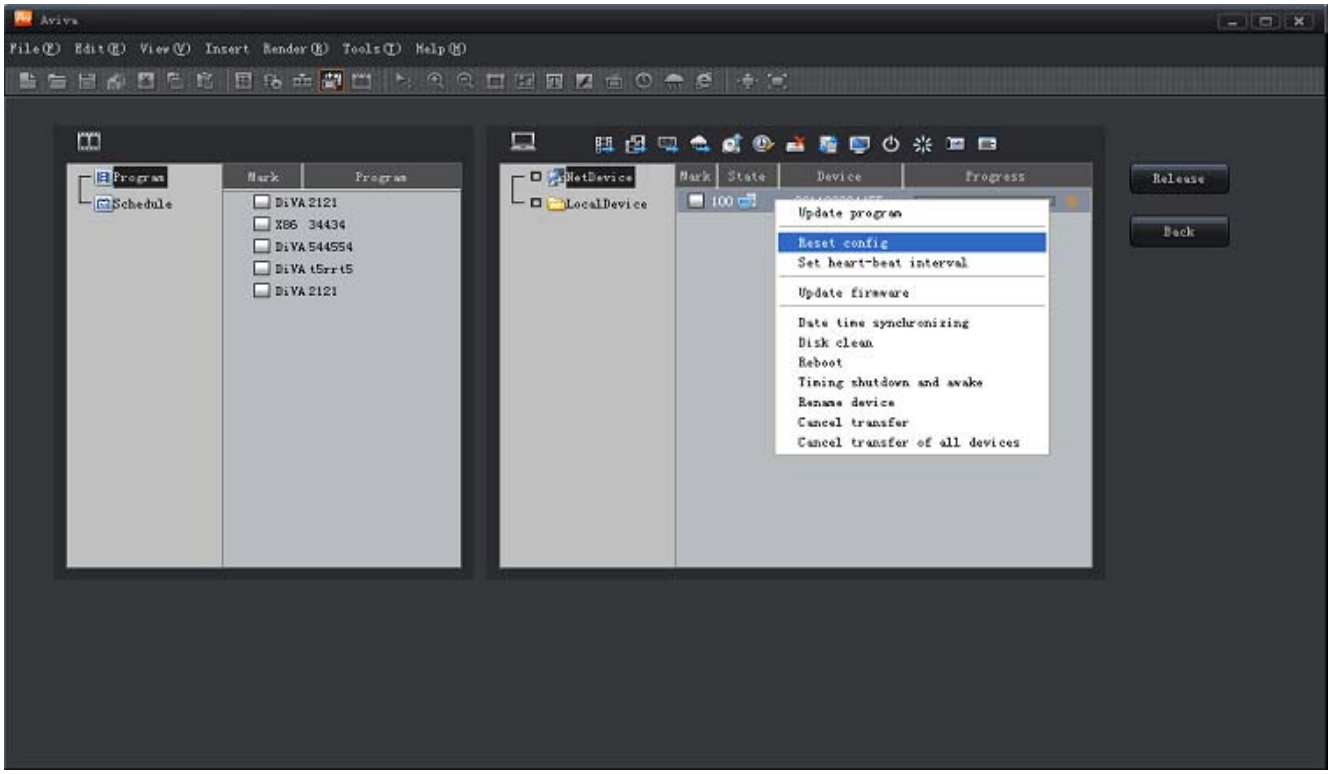


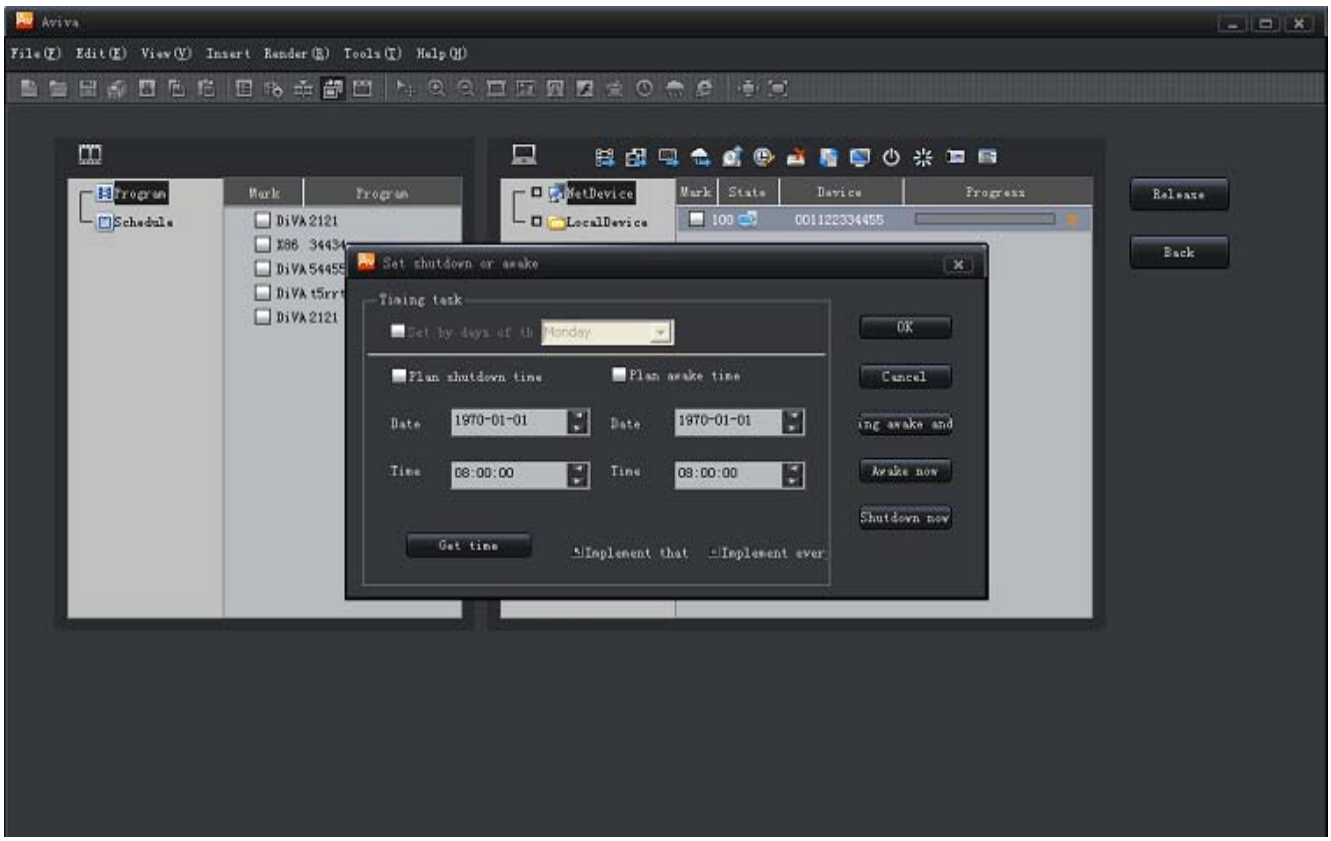

## 13. Set the timer switch

Timer switch features included: daily execution, intraday execution, immediately shut down and immediately turned on.

Tip: The device will implement the latest command, such as the first order "time off 22:00 -> daily execution", when you then select the immediately shutdown, the device will perform an immediately shutdown, and not the implementation of "time Off 22:00 -> Daily Executive "

In addition to the timer switch function, we can also 'update the firmware, re-configure the device, rename the device, device snapshots, access log files, view logs and other commands.'


Aviva
File(F) Edit(E) View(V) Insert Render(R) Tools(T) Help(H)
Program
Schedule
Mark
Program
DiVA 2121
X86 34434
DiVA 544554
DiVA t5rrt5
DiVA 2121
NetDevice
LocalDevice
Mark
State
Device
Progress
100
Update program
Reset config
Set heart-beat interval
Update fireware
Date time synchronizing
Disk clean
Reboot
Timing shutdown and awake
Rename device
Cancel transfer
Cancel transfer of all devices
Release
Back


Aviva
File(F) Edit(E) View(V) Insert Render(R) Tools(T) Help(H)
Program
Schedule
Mark
Program
DiVA 2121
X86 34434
DiVA 544554
DiVA t5rrt5
DiVA 2121
NetDevice
LocalDevice
Mark
State
Device
Progress
100
001122334455
Release
Back
Set shutdown or awake
Timing task
Monday
OK
Cancel
Plan shutdown time
Plan awake time
Date
1970-01-01
Time
08:00:00
ing awake and
Awake now
Shutdown now
Get time
Implement that
Implement ever